

ART. XXII.—*Catalogue of the Marine Shells of Victoria.*

PART I.

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[Read 9th December, 1897.]

INTRODUCTION.

It may not be out of place, perhaps, if we give at the outset a brief account of previous work on this subject.

Most of the very early work may be found in the reports of the voyages of various exploring vessels, but these at present call for no special remark, references to them will be found in their proper places.

The Rev. J. E. T. Woods was early in the field; during the years 1875 to 1879 he contributed largely on the shells of Tasmania, and, as would naturally be expected, a large amount of the material dealt with can also be obtained in Victoria. What has become of many of his types is unfortunately unknown to us, and as most of his work was not illustrated it is generally a difficult matter to fix his species. In 1877 he furnished a very useful census of the Marine Shells of Tasmania and the adjacent islands, in which may be found several references to Victorian occurrences. In the same year, and again in 1880, he described a number of new species in the Transactions and Proceedings of the Royal Society of Victoria.

Although a great many of this gentleman's species have been relegated to synonymy, he must be credited with having done a great amount of useful work, particularly when the difficulty of obtaining access to the necessary works of reference is fully understood, and also the difficulty of interpreting wretchedly poor and meagre descriptions, frequently without figures or with figures that cannot possibly be recognised as representing the species, even by a stretch of the imagination.

In 1887 Mr. J. H. Gatliff published Part I. of a list of some of the Shells of the Marine Mollusca found upon the coast of

Victoria in the paper issued by our Field Naturalists' Club. In the following year the list was completed by the issue of Part II. The list was much needed, and supplied an undoubted want. It contained 351 species and 12 varieties, and some of the commoner synonyms. Its summary is as follows:—

Gastropoda	-	-	260	species	-	12	varieties
Polyplacophora	-	-	4	"			
Scaphopoda	-	-	1	"			
Pelecypoda	-	-	86	"			
—							
Total			351	species		12	varieties

In 1887 also the late Mr. J. Bracebridge Wilson furnished a list to the Field Naturalists' Club of the species dredged by him in the neighbourhood of Port Phillip Heads. Most of the species were identified by Professor R. Tate and the list contains 142 species. As a member of the Port Phillip Biological Survey Committee of the Royal Society, Mr. Wilson did a vast amount of excellent collecting, and among the molluscan collection many interesting and new forms and several not previously recorded for Victoria have turned up. We have to thank Professor W. B. Spencer for kindly allowing us access to this material.

For other records of and references to Victorian shells we must draw attention to the various papers on the shells of the other colonies, published many years ago by Messrs. A. Adams and G. F. Angas; and more recently by Dr. Cox, Messrs. J. Brazier and C. Hedley of New South Wales; and Professor R. Tate, Mr. W. T. Bednall, and Dr. Verco of South Australia.

In the year 1891 one of the present authors was asked by Professor R. Tate of the Adelaide University to prepare a catalogue of Victorian Mollusca, and he very kindly allowed access to his own notes and records of the species then known to him. Since that time a good deal of revision has been done and a vast amount of material, both literary and otherwise, has been collected. We hope that in its present form the catalogue may prove useful to those interested in the shells of our waters.

In July of last year (1896) we had the pleasure of seeing Mr. E. R. Sykes's excellent report on Mr. J. B. Wilson's collection of Port Phillip Polyplacophora which includes the very respectable

total of 22 species, with descriptions and figures of five new species. It is intended to issue the present catalogue in parts, and we hope to cover the ground in four parts of about the size of the present issue. We cannot yet with certainty give a summary of the whole catalogue, but the present part contains:—

Cephalopoda - - - -	12 species
Pteropoda - - - -	11 , ,
Gastropoda - - - -	62 , ,

At the conclusion of the fourth part a complete summary will be given. On account of the difficulty and occasionally the impossibility of obtaining access to many of the original papers and books on our shells our labour has been very much increased and frequently great trouble has arisen in settling questions of priority. Also when in doubt as to the interpretation of figures and descriptions we have felt very strongly the necessity for examining the types, and this very frequently we have been unable to do. We include references to the few types accessible to us for the benefit of other workers who may not know where they are located. There seems to be a very great necessity for a more general knowledge of the rules to be adhered to by all workers in zoological subjects. Endless trouble would be saved if consistent methods could in some way be enforced. As far back as 1864 a committee of the British Association for the Advancement of Science submitted a series of regulations for zoological work, which, if only attended to, should have had good results. More publicity should be given to the general rules accepted by zoologists, and if this were only done much needless confusion and perhaps some synonymy might frequently be saved.

We have to tender our sincerest thanks to Sir Frederick McCoy for the loan of the most important standard works, without which we would have been unable to do any satisfactory work, also for the readiness with which he has allowed us access to the molluscan specimens in the National Museum. We are also much indebted to Mr. W. Kershaw of the Museum for his kind attention and readiness to find what we required at any time.

We have also to thank Professor W. B. Spencer and Mr. T. S. Hall, M.A., for the loan of books, pamphlets, and specimens; and Mr. C. Hedley of the Australian Museum and

Dr. Verco of South Australia for much valuable information on conchological matters, and their ready compliance to any requests. Mr. Gabriel and his son, Mr. C. Gabriel, should receive our best thanks for many excellent specimens and some new species dredged by them in Western Port Bay.

BIBLIOGRAPHY AND LIST OF ABBREVIATIONS.

- Amer. Jour. Conch. - American Journal of Conchology.
A.M.N.H. - Annals and Magazine of Natural History.
Ann. du Mus. - Annales du Muséum d'Histoire Naturelle, Paris.
Anim. S. Vert. - Histoire Naturelle des Animaux sans Vertèbres, Lamarck.
Astrolabe - Voyage de "l'Astrolabe," Quoy and Gaimard.
Cat. Austr. Mus. - Catalogue of the Marine Shells of Australia and Tasmania, Australian Museum, Sydney.
Cat. B.M. - Catalogue of the British Museum.
Cat. N.Z. Moll. - Catalogue of the Marine Mollusca of New Zealand, Hutton.
Ceph. Hamb. Mus. - Cephalopoda Hamburger Museums.
Chall. - Voyage of H.M.S. "Challenger."
Conch. Cab. - Conchylien Cabinet, Martini and Chemnitz.
Conch. Icon. - Conchologia Iconica, Reeve.
Conch. Illus. - Conchological Illustrations, Sowerby.
Dict. d. Sci. Nat. - Dictionnaire des Sciences Naturelles.
Encyc. Meth. - Encyclopédie Méthodique, Paris, 1782-1824.
Icon. Coq. Viv. - Spécies Général et Iconographie des Coquilles Vivantes.
Index Test. - Index Testaceologicus, Wood, London.
Jour. Acad. Nat. Sci. Philad. - Journal of the Academy of Natural Science, Philadelphia.
Jour. d. Conch. - Journal de Conchyliologie, Paris.
Jour. of Conch. - Journal of Conchology, England.
J.L.S. - Journal of the Linnean Society, London.

- Man. Conch. - - Manual of Conchology, Philadelphia.
 Man. N.Z. Moll. - - Manual of the New Zealand Mollusca,
 Hutton.
 Moll. Nov. Holl. - - Molluscorum Novae Hollandiae, Menke.
 Mus. Gevers. - - Museum Geversianum.
 Nat. Hist. Miscell. - - Natural History Miscellany.
 Nouv. Ann. du Mus. Nouvelles Annales du Muséum d'Histoire
 Naturelle, Paris.
 Nouv. Arch. du Mus. Nouvelles Archives du Muséum d'Histoire
 Naturelle, Paris.
 Novara - - Reise d. Novara, Frauenfield.
 Otia Cónch. - - Otia Conchologica, Gould, Boston.
 Portl. Cat. - - Portland Catalogue, Solander.
 P.L.S., N.S.W. - - Proceedings of the Linnean Society of
 New South Wales.
 P. Mal. S. Lond. - - Proceedings of the Malacological Society
 of London.
 P.R.S. Edin. - - Proceedings of the Royal Society,
 Edinburgh.
 P.R.S. Tas. - - Proceedings of the Royal Society,
 Tasmania.
 P.R.S. Vic. - - Proceedings of the Royal Society,
 Victoria.
 P.Z.S. Lond. - - Proceedings of the Zoological Society,
 London.
 Prod. Zoo. Vic. - - Prodromus of the Zoology of Victoria,
 McCoy.
 Samarang - - Zoology of the Voyage of H.M.S.
 “Samarang.”
 Sudafr. Moll. - - Sudafrikanischen Mollusken, Krauss.
 Syst. Nat. - - Systema Naturae, Linnaeus.
 Thes. Conch. - - Thesaurus Conchyliorum, Sowerby.
 T.R.S., S.A. - - Transactions of the Royal Society of
 South Australia.
 T.R.S. Vic. - - Transactions and Proceedings of the
 Royal Society of Victoria.
 U.S. Expl. Exped. - - United States Exploring Expedition.
 Univ. Conch. - - Universal Conchologist, Martyn.
 V.N. - - Victorian Naturalist.
 Zeits. f. Mal. - - Zeitschrift fur Malakozoologische, Cassel.

Class CEPHALOPODA.

Order DIBRANCHIATA.

Family OCTOPODIDAE.

Genus *Octopus*, Lamarek, 1799.

OCTOPUS SUPERCILIOSUS, Quoy et Gaimard.

1832. *Octopus superciliosus*, Q. and G. *Astrolabe*, vol. ii., p. 88, pl. 6, f. 4.
1838. *Octopus westerniensis*, Quoy. *d'Orb. Céph. Acét., Poulpes*, pl. 10, f. 3 (*Brazier. Cat.*)
1886. *Octopus superciliosus*, Hoyle. *Chall. Zool.*, vol. xvi., p. 9, No. 16.

Hab.—Western Port, Bass Strait.

OCTOPUS BOSCII, Lesueur.

1821. *Octopus boscii*, Lesueur. *Jour. Acad. Nat. Sci. Philad.*, vol. ii., p. 101.
1826. *Octopus variolatus*, Peron, Blainv. *Dict. d. Sci. Nat.*, vol. xliii., p. 186.
1849. *Octopus boscii*, Gray. *Cat. B.M.*, p. 12.
1886. *Octopus boscii*, var. *pallida*, Hoyle. *Chall. Zool.*, vol. xvi., *Cephalopoda*, pp. 81, 82, pl. 1, pl. 2, f. 2.

Hab.—East Moncoeur Island, Bass Strait, 38 fath., sand and shells (*Challenger*). Port Phillip Heads (J. B. Wilson).

OCTOPUS AUSTRALIS, Hoyle.

1885. *Octopus australis*, Hoyle. *A.M.N.H.*, ser. 5, vol. xv., p. 224; also *P.R.S. Edin.*, vol. xiii., p. 98.
1886. *Octopus australis*, Hoyle. *Chall. Zool.*, vol. xvi., *Ceph.*, p. 88, pl. 3, f. 4, 5.

Hab.—Port Phillip Heads, dredged by Mr. J. B. Wilson.

Obs.—The type of this species was obtained by the Challenger Expedition in Port Jackson, 6 to 15 fathoms.

OCTOPUS DUPLEX, Hoyle.

1885. *Octopus duplex*, Hoyle. *A.M.N.H.*, ser. 5, vol. xv., p. 226; *P.R.S. Edin.*, vol. xiii., p. 101.

1886. *Octopus duplex*, Hoyle. *Chall. Zool.*, vol. xvi., p. 90, pl. 7, f. 5.

Hab.—Elwood Beach, Port Phillip (Rev. W. Fielder).

Obs.—The type was obtained by the Challenger Expedition, off Twofold Bay.

Family ARGONAUTIDÆ.

Genus *Argonauta*, Linné, 1756.

ARGONAUTA NODOSA, Solander.

1786. *Argonauta nodosa*, Solander. *Portl. Cat.*, 76, 2120, vol. ii., p. 113.

1786. *Argonauta navicula*, Solander. *Ibid.*, 42, 1055 (= *forma aurita*), vol. ii., p. 112.

1787. *Argonauta oryzata*, Meuschen. *Mus. Gevers*, 252, No. 133.

? 1790. *Argonauta tuberculata*, Shaw. *Nat. Hist. Miscell.*, vol. xxiii., t. 995.

1822. *Argonauta tuberculosa*, Lamarck. *Anim. S. Vert.*, vol. vii., p. 632.

1861. *Argonauta tuberculosa*, Reeve. *Conch. Icon.*, pl. 1 (= *forma mutica*).

1879. *Argonauta nodosa*, Tryon. *Man. Conch.*, vol. 1, p. 140, pl. 50, f. 124.

1886. *Argonauta tuberculata*, Hoyle. *Chall. Zool.*, vol. xvi., p. 4, No. 2.

Hab.—Port Phillip Bay (not uncommon), Bass Strait, and coast generally at certain seasons.

Obs.—Although Hoyle gives Shaw's specific name priority, he at the same time mentions that he has been unable to ascertain beyond doubt when Shaw's work was published, for the volume bears no date. He further states that Dillwyn (*op. cit.*, p. xi.) gives 1790; if this be correct Solander's name should take precedence. As there is a doubt about the matter I prefer at present to use Solander's name. Mr. J. Brazier in his Catalogue of the Marine Shells of Australia and Tasmania, Part I., also uses the latter, but he does not include Victoria as a locality of its occurrence.

ARGONAUTA ARGO, Linné.

1758. *Argonauta argo*, Linn. Syst. Nat., ed. 10, p. 708.
1769. *Nautilus papyraceus*, Martini. Conch. Cab., vol. i,
p. 231, pl. 17, f. 157, also p. 238.
1835. *Argonauta argo*, d'Orb. Ceph. Acét., p. 158, pl. 2,
f. 1, 2.
1861. *Argonauta argo*, Reeve. Conch. Icon., pl. 3, f. 2c,
also A. haustrum, Reeve, *Id.*, pl. 2.
1872. *Argonauta pacifica*, Dall. Amer. Jour. Conch., vol.
iii., p. 95.
1879. *Argonauta argo*, Tryon. Man. Conch., vol. i., p.
138, pl. 47, f. 111, 112, pl. 48, f. 116, 117.
1886. *Argonauta argo*, Hoyle. Chall. Zool., vol. xvi.,
pp. 4, 69.

Hab.—Lakes Entrance, Gippsland.

Obs.—For additional synonymy and further references, Mr. J. Brazier's Catalogue of the Marine Shells of Australia and Tasmania, Part I., Cephalopoda, 1892, may be consulted.

Family OMMATOSTREPHIDÆ.

Genus **Ommatostrophes**, d'Orbigny, 1835 (*Ommastrophes*).

OMMATOSTREPHES GOULDI, McCoy.

1888. *Ommastrophes gouldi*, McCoy. Prod. Zoo. Vic.,
Dec. xvii., pl. 169, 170.

Hab.—Victorian waters (McCoy).

Family SEPIOCIDÆ.

Genus **Inioteuthis**, Verrill, 1881.

INIOTEUTHIS TASMANICA, Pfeffer.

1884. *Sepiola tasmanica*, Pfeffer. Ceph. Hamb. Mus.,
p. 6, f. 7.
1886. *Sepiola tasmanica*, Hoyle. Chall. Zool., vol. xvi.,
p. 17.
1892. *Inioteuthis tasmanica*, Brazier. Cat. Austr. Mus.,
pt. i., p. 9.

Hab.—Bass Strait.

Family LOLIGINIDÆ.

Genus **Sepioteuthis**, Blainville, 1825.**SEPIOTEUTHIS AUSTRALIS**, Quoy et Gaimard.

1832. *Sepioteuthis australis*, Q. and G. *Astrolabe*, Zool.
vol. ii., p. 77, pl. 4, f. 1.
1883. *Sepioteuthis australis*, McCoy. *Prod. Zoo. Vic.*,
Dec. viii., pl. 76-77.
1886. *Sepioteuthis australis*, Hoyle. *Chall. Zool.*, vol.
xvi., Ceph., pp. 26, 220.

Hab.—Western Port (Q. and G.). Port Phillip Bay (McCoy).

SEPIOTEUTHIS BILINEATA, Quoy et Gaimard.

1832. *Sepioteuthis bilineata*, Q. and G. *Astrolabe* Zool.,
vol. ii., p. 66, pl. 2, f. 1.
1886. *Sepioteuthis bilineata*, Hoyle. *Chall. Zool.*, vol.
xvi., Ceph., p. 27.

Hab.—Western Port, Bass Strait (Q. and G.).

Family SEPIIDÆ.

Genus **Sepia**, Linné, 1766.**SEPIA APAMA**, Gray.

1849. *Sepia apama*, Gray. *Ceph. Antep. B.M.*, p. 103,
No. 10.
1886. *Sepia apama*, Hoyle. *Chall. Zool.*, vol. xvi.,
Ceph., p. 24.
1888. *Sepia apama*, McCoy. *Prod. Zoo. Vic.*, Dec. xix.,
pl. 188, 189, 190.

Hab.—Victorian waters (McCoy).

Family SPIRULIDÆ.

Genus **Spirula**, Lamarck, 1801.**SPIRULA AUSTRALIS**, Lamarck.

1816. *Spirula australis*, Lamarck. *Encyc. Meth.*, pl. 465,
f. 5a.
1848. *Spirula australis*, Owen. *Samarang, Moll.*, pt. i.,
pp. 6-17, pl. 4.
1849. *Lituus laevis*, Gray. *Ceph. Antep. B.M.*, p. 115.

1879. *Spirula australis*, Owen. A.M.N.H., ser. 5, vol. iii., pp. 1-16, pls. 1-3.

1880. *Spirula australis*, Owen. P.Z.S. Lond., p. 352, pl. 32.

1895. *Spirula australis*, Huxley and Pelseneer. Chall. Zool., pt. lxxxiii. Appendix to Summary, pt. ii., pl. 2, figs. 1-3.

Hab.—Heytesbury Coast, several examples (T. S. Hall).

Class GASTROPODA.

Order OPISTHOBRANCHIATA.

Sub-Order PTEROPODA.*

Section THECOSOMATA

Family LIMACINIDAE.

Genus *Limacina*, Cuvier, 1817.

Limacina inflata, d'Orbigny.

1836. *Atlanta inflata*, d'Orbigny. Voy. dans l'Amérique méridionale, vol. v., p. 174, pl. 12, f. 16-19.

1840. *Spirialis rostralis*, Eydoux et Souleyet. Description sommaire de plusieurs Ptéropodes nouveaux ou imparfaitement connus, Revue Zoologique, vol. iii., p. 236.

1850. *Limacina inflata*, Gray. Cat. Moll. B.M., pt. ii., Pteropoda, p. 31.

1852. *Spirialis rostralis*, Eydoux et Souleyet. Voy. de la Bonite, Zoologie, vol. ii., p. 216, pl. 13, f. 1-10.

1852. *Limacina seaphoidea*, Gould. The Mollusca and Shells of the U.S. Exploring Expedition, p. 485, pl. 51, f. 602.

1861. *Protomedea elata*, O. G. Costa. Microdoride mediterranea, p. 74, pl. 11, f. 5.

*The Pteropoda are now generally accepted as a sub-order of the Gastropoda; and should therefore hardly have been included in this part of the Catalogue, but should have been held over for inclusion with the Opisthobranchiata, but as the material, so far as it is at present known to us, was all in readiness, it was found convenient to incorporate it with this part.

1870. *Embolus rostralis*, Jeffreys. Mediterranean Mollusca, A.M.N.H., ser. 4, vol. vi., p. 86.
 1882. *Protomedea rostralis*, Fischer. Sur la faune Malacologique abyssale de la Méditerranée, Comptes rendus, vol. xciv., p. 120.
 1888. *Limacina inflata*, Pelseneer. Chall. Zool., vol. xxiii., Pteropoda, p. 16.

Hab.—Melbourne to Sydney (Challenger).

LIMACINA LESUEURI, d'Orbigny.

1836. *Atlanta lesueuri*, d'Orbigny. Voy. dans l'Amérique méridionale, vol. v., p. 177, pl. 20, f. 12-15.
 1836. *Atlanta rangii*, d'Orbigny. L.c., p. 176, pl. 12, f. 25-28.
 1840. *Spirialis ventricosa*, Eydoux et Souleyet. Revue Zoologique, vol. iii., p. 236.
 1850. *Limacina ventricosa*, Gray. Cat. Moll. B.M., pt. ii., Pteropoda, p. 32.
 1852. *Spirialis ventricosa*, Eydoux et Souleyet. Voy. de la Bonite, Zoologie, vol. ii., p. 216, pl. 13, f. 11-16.
 1886. *Limacina lesueuri*, Boas. Spolia Atlantica, p. 46, pl. 3, f. 33, 34.
 1888. *Limacina lesueuri*, Pelseneer. Chall. Zool., vol. xxiii., Pteropoda, pp. 24, 25.

Hab.—Melbourne to Sydney (Challenger).

LIMACINA TROCHIFORMIS, d'Orbigny.

1836. *Atlanta trochiformis*, d'Orbigny. Op. cit., vol. v., p. 177, pl. 12, f. 29-31.
 1840. *Spirialis trochiformis*, Eydoux et Souleyet. Revue Zoologique, vol. iii., p. 237.
 1850. *Limacina trochiformis*, Gray. Cat. Moll. B.M., pt. ii., Pteropoda, p. 33.
 1852. *Limacina naticoides*, Rang. Hist. Nat. des Moll., Pteropodes, pl. 10, f. 1, 2.
 1852. *Spirialis trochiformis*, Eydoux et Souleyet. Voy. de la Bonite, Zoology, vol. ii., p. 223, pl. 13, f. 27-34.

1888. *Limacina trochiformis*, Pelseneer. Chall. Zool., vol. xxiii., Pteropoda, pp. 29, 30.

Hab. — Melbourne to Sydney (Challenger).

LIMACINA BULIMOIDES, d'Orbigny.

1836. *Atlanta bulimoides*, d'Orbigny. *Op. cit.*, vol. v., p. 179, pl. 12, f. 36-38.
1840. *Spirialis bulimoides*, Eydoux et Souleyet. *Revue Zoologique*, vol. iii., p. 238.
1850. *Limacina bulimoides*, Gray. *Cat. Moll. B.M.*, pt. ii., Pteropoda, p. 34.
1852. *Spirialis bulimoides*, Eydoux et Souleyet. *Voy. de la Bouite, Zoologie*, vol. ii., p. 224, pl. 13, f. 35-42.
1877. *Heterofusus bulimoides*, Angas. *P.Z.S. Lond.*, p. 99.
1888. *Limacina bulimoides*, Pelseneer. *Chall. Zool.*, vol. xxiii., Pteropoda, pp. 30-32.

Hab.—Melbourne to Sydney (Challenger).

Family CAVOLINIIDÆ.

Genus **Clio**, Linné, 1767.

CLIO (CRESEIS) VIRGULA, Rang.

1828. *Creseis virgula*, Rang. *Ann. d. Sci. Nat.*, sér 1., vol. xiii., p. 316, pl. 17., f. 2.
1829. *Creseis unguis*, Eschscholtz. *Zoologischer Atlas Heft. iii.*, p. 17, pl. 15, f. 4.
1829. *Creseis cornucopiae*, Eschscholtz. *Ibid.*, p. 17, pl. 15, f. 5.
1829. *Creseis caligula*, Eschscholtz. *Ibid.*, p. 18, pl. 15, f. 6.
1836. *Hyalea corniformis*, d'Orbigny. *Op. cit.*, vol. v., p. 120, pl. 8, f. 20-23.
1850. *Styliola virgula*, Gray. *Cat. Moll. B.M.*, pt. ii., Pteropoda, p. 17.
1850. *Styliola corniformis*, Gray. *Ibid.*, p. 18.
1852. *Cleodora virgula*, Souleyet. *Voy. de la Bouite, Zoologie*, vol. ii., p. 196, pl. 8, f. 18-25.

1852. *Cleodora munda*, Gould. *Moll. U.S. Explor. Exped.*, p. 489, pl. 51, f. 607.
 1852. *Cleodora placida*, Gould. *Ibid.*, p. 489, pl. 51, f. 606.
 1852. *Cleodora falcata*, Gould. *Ibid.*, p. 490, pl. 51, f. 608.
 1879. *Cleodora flexa*, Pfeffer. *Monatsber. d.k. preuss. Akad. d. Wiss. Berlin*, p. 241, f. 15-16.
 1888. *Clio (Creseis) virgula*, Pelseneer. *Chall. Zool.*, vol. xxiii., *Pteropoda*, p. 48.

Hab.—Melbourne to Sydney (Challenger).

CLIO (STYLIOLA) SUBULA, Quoy and Gaimard.

1825. *Styliola recta*, Lesueur, in de Blainville. *Man. de Malac.*, p. 655 (*nomen tantum*).
 1827. *Cleodora subula*, Quoy and Gaimard. *Ann. de Sci. Nat.*, sér. 1, vol. x., p. 233, pl. 8D, f. 1-3.
 1828. *Creseis spinifera*, Rang. *Ann. d. Sci. Nat.*, sér. 1, vol. xiii., p. 313, pl. 17, f. 1.
 1828. *Creseis subula*, Rang. *Ibid.*, pl. 18, f. 1.
 1836. *Hyalea subula*, d'Orbigny. *Op. cit.*, vol. v., p. 119, pl. 8, f. 15-19.
 1850. *Styliola subula*, Gray. *Cat. Moll. B.M.*, pt. ii., *Pteropoda*, p. 17.
 1852. *Cleodora subulata*, Eydoux and Souleyet. *Voy. de la Bonite, Zoologie*, vol. ii., p. 191, pl. 8, f. 5-9.
 1886. *Cleodora subula*, Boas. *Spolia Atlantica*, pp. 66, 202, pl. 4, f. 44, 45.
 1888. *Clio (Styliola) subula*, Pelseneer. *Chall. Zool.*, vol. xxiii., *Pteropoda*, p. 57.

Hab.—Off Melbourne (Challenger).

CLIO PYRAMIDATA, Linné.

1767. *Clio pyramidata*, Linné. *Syst. Nat.*, ed. 12, p. 1094.
 1813. *Hyalea lanceolata*, Lesueur. *Nouv. Bull. Soc. Philom. Paris*, vol. iii., p. 284, pl. 5, f. 3.
 1825. *Cleodora brownii*, de Blainville. *Man. de Malac.*, pl. 46, f. 1.

1836. *Hyalaea pyramidata*, d'Orbigny. *Op. cit.*, vol. v., p. 113, pl. 7, f. 25-29.
1841. *Cleodora lamartinieri*, Rang., in d'Orbigny. *Mollusques de Cuba*, p. 83.
1852. *Cleodora lanceolata*, Eydoux et Souleyet. *Voy. de la Bonite*, Zool. vol. ii., p. 179, pl. 6, f. 17-25.
1852. *Cleodora exacuta*, Gould. *Moll.*, U.S. Expl. Exp., p. 488, pl. 51, f. 605.
1877. *Cleodora labiata*. Sowerby in Reeve Conch. Icon., vol. xx., Pteropoda, f. 26.
1880. *Cleodora martensi*, Pfeffer. *Abhandl. d. Naturw. Ver Hamburg*, bd. vii., p. 95, pl. 7, f. 16.
1886. *Cleodora pyramidata*, Boas. *Spolia Atlantica*, p. 69, pl. 6, f. 96, 97.
1888. *Clio pyramidata*, Pelseneer. *Chall. Zool.*, vol. xxiii., pteropoda, pp. 63-65.

Hab.—Off Melbourne (Challenger).

Obs.—For description and figures of the preceding species of this class, Pelseneer refers to the work of Eydoux and Souleyet in the Zoology of the Voyage de la Bonite. This work can be seen in the Melbourne Public Library.

For the succeeding species the same authority refers for description and figures to Boas' *Spolia atlantica*.

Genus **Cavolinia**, Giveni, 1783.

CAVOLINIA LONGIROSTRIS, Lesueur.

1821. *Hyalaea longirostris*, Lesueur. M.S. in de Blainville, *Hyale*, Dict. d. Sci. Nat., vol. xxii., p. 81.
1821. *Hyalaea ecaudata*, Lesueur. *Ibid.*, p. 82.
1836. *Hyalaea limbata*, d'Orbigny. *Voy. d. l'Amer. Mérid.*, vol. v., pl. 6, f. 11-15.
1852. *Hyalaea angulata*, Eydoux et Souleyet. *Voy. de la Bonite*, Zool., vol. ii., p. 152, pl. 5, f. 1-6.
1852. *Hyalaea femorata*, Gould. *Moll.*, U.S. Expl. Exp., pl. 51, f. 603.
1861. *Hyalaea fissirostris*, Benson. *Ann. and Mag. Nat. Hist.*, ser. 3, vol. 7, p. 26.
1877. *Hyalaea obtusa*, Sowerby. In Reeve, Conch. Icon., vol. xx., Pteropoda, f. 8.

1886. *Hyalaea longirostris*, Boas. *Spolia Atlantica*, p. 102, pl. 1, f. 5; pl. 2, f. 16.

1888. *Cavolinia longirostris*, Pelseneer. *Chall. Zool.*, vol. xxiii., *Pteropoda*, pp. 79-81.

Hab.—Melbourne to Sydney (Challenger).

CAVOLINIA GIBBOSA, Rang.

1836. *Hyalaea gibbosa*, Rang., M.S., in d'Orbigny. *Voy. d. l'Amér. Mérid.*, vol. v., p. 95, pl. 5, f. 16-20.

1836. *Hyalaea flava*, d'Orbigny. *Ibid.*, p. 97, pl. 5, f. 21-25.

1852. *Hyalaea gibbosa*, Eydoux et Souleyet. *Voy. de la Bonite*, *Zool.*, vol. ii., p. 144, pl. 4, f. 13-19.

1880. *Hyalaea gegenbauri*, Pfeffer. *Abhandl. Naturw. Ver. Hamburg*, bd. vii., p. 86, f. 5-7.

1886. *Hyalaea gibbosa*, Boas. *Spolia Atlantica*, p. 109, pl. 1, f. 6; pl. 2, f. 17.

1888. *Cavolinia gibbosa*, Pelseneer. *Chall. Zool.*, vol. xxiii., *Pteropoda*, p. 82.

Hab.—Melbourne to Sydney (Challenger).

CLEODORA COMPRESSA, Eydoux et Souleyet.

1850. *Clio depressa*, Gray. *Cat. Moll. B.M.*, pt. ii., *Pteropoda*, p. 14 (sine descriptione).

1852. *Cleodora compressa*, Eydoux et Souleyet. *Voy. de la Bonite*, *Zool.*, vol. ii., p. 181, pl. 6, f. 26-32.

1888. *Cleodora compressa*, Pelseneer. *Chall. Zool.*, vol. xxiii., *Pteropoda*, pp. 87, 88.

Habs.—Melbourne to Sydney (Challenger).

Obs.—Pfeffer originally suggested that this species was a young form of *Cavolinia trispinosa*, but Boas objected to this view. Pelseneer agrees with Pfeffer and enters fully into his reasons for so doing in Challenger Zoology, vol. xxiii., p. 87. For further information for those interested I therefore append a copy of the synonymy of *Cavolinia trispinosa*, Lesueur.

CAVOLINIA TRISPINOSA, Lesueur.

1821. *Hyalaea trispinosa*, Lesueur. M.S., in de Blainville, *Dict. d. Sci. Nat.*, vol. xxii., p. 82.

1827. *Hyalaea mucronata*, Quoy and Gaimard. Ann. d. Sci. Nat., sér. 1, vol. x., p. 231, pl. 8B., f. 1, 2.
1832. *Hyalaea depressa*, Bivona. Effemeridi scientifiche e litterarie per la Sicilia, p. 57, pl. 1, f. 4, 5.
1841. *Hyalaea cuspidata*, Delle Chiaje. Descrizione e notomia degli animali senza vertebre del Regno di Napoli, pl. 180, f. 1, 2 (non d'Orbigny).
1850. *Diacria trispinosa*, Gray. Cat. Moll. B.M., pt. ii., Pteropoda, p. 10.
1850. *Diacria mucronata*, Gray. *Ibid.*, p. 11.
1853. *Hyalaea reeviana*, Dunker. Index Molluscorum, p. 2, pl. I., f. 17-20.
1858. *Pleuropus trispinosus*, H. and A. Adams. Gen. Rec. Moll., vol. ii., p. 611.
1858. *Pleuropus mucronatus*, H. and A. Adams. *Ibid.*, vol. ii., p. 611.
1886. *Hyalaea trispinosa*, Boas. Spolia Atlantica, p. 94, pl. 1, f. 3; pl. 2, f. 14.
1888. *Cavolinia trispinosa*, Pelseneer. Chall. Zool., vol. xxiii., Pteropoda, pp. 76-78.

CUVIERIA MINOR, McCoy.

1885. *Cuvieria minor*, McCoy. Prod. Zoo. Vic., vol. ii., Dec xi., p. 13.

Class **GASTROPODA**.

Order **PROSOBRANCHIATA**.

Sub-Order **PECTINIBRANCHIATA**.

Family **MURICIDÆ**.

Genus **Murex**, Linné, 1758.

MUREX (PTERONOTUS) TRIFORMIS, Reeve.

1845. *Murex triformis*, Reeve. P.Z.S. Lond., p. 87.
1845. *Murex triformis*, Reeve. Conch. Icon., vol. iii., pl. 13, f. 53.
1876. *Murex zonatus*, T. Woods. P.R.S. Tas., p. 132.

1878. *Murex triformis*, Kuster. *Conch. Cab.*, 2nd ed.,
p. 85, pl. 30, f. 4.
 1879. *Murex triformis*, Sowerby. *Thes. Conch.*, vol. iv.,
p. 21, pl. 10 (*Murex*), f. 92; pl. 13. f. 126.
 1880. *Murex triformis*, Tryon. *Man. Conch.*, vol. ii., p.
85, pl. 40, f. 511.

Hab.—Common in Port Phillip, and shores of Victoria generally. Dredged alive off East Moncoeur Island, Bass Strait, 38 fathoms, sand and shells (Challenger); about 3 fathoms off Brighton, and 5 fathoms off Point Cooke.

MUREX (PTERONOTUS) ANGASI, Crosse.

1863. *Typhis angasi*, Crosse. *Jour. d. Conch.*, vol. ii.,
p. 86, pl. 1, f. 2.
 1867. *Murex (Pteronotus) angasi*, Angas. *P.Z.S. Lond.*,
p. 186, No. 5.
 1873. *Murex (Pteronotus) eos*, Hutton. *Cat. N.Z. Moll.*,
p. 8.
 1878. *Murex eos*, Hutton. *Jour. d. Conch.*, vol. xviii.,
3rd ser., p. 12.
 1879. *Murex angasi*, Sowerby. *Thes. Conch.*, vol. iv.,
p. 26, pl. 21, *Murex*, f. 189, 190.
 1880. *Murex (Pteronotus) angasi*, Tryon. *Man. Conch.*,
vol. ii., p. 88, pl. 40, f. 522.
 1880. *Murex (Pteronotus) angasi*, Hutton. *N.Z. Moll.*,
p. 47.
 1883. *Murex (Pteronotus) cordismei*, Watson. *J.L.S. Lond.*, vol. xvi., p. 601.
 1886. *Murex (Pteronotus) cordismei*, Watson. *Chall. Zool.*, vol. xv., p. 156, pl. 10, f. 5.

Hab.—Shores of Victoria (J. Brazier, Prof. R. Tate). Off East Moncoeur Island, Bass Strait, 38 fathoms, sand and shells (Challenger). Polwarth Coast, San Remo, and Flinders. Dredged alive off Altona Bay in about 5 fathoms.

Obs.—After a careful examination of Mr. Watson's figure and description of *M. cordismei*, we have come to the conclusion that it is undoubtedly the same as *M. angasi*, and therefore refer to it as above.

MUREX (CHICOREUS) AUSTRALIS, Quoy and Gaimard.

1833. *Murex australis*, Quoy and Gaimard. *Astrolabe Zool.*, vol. ii., p. 536.
1840. *Murex palmiferus*, Sowerby. *P.Z.S. Lond.*, p. 142,
also, *Conch. Illust.*, sp. 43, f. 104.
1845. *Murex palmiferus*, Reeve. *Conch. Icon.*, vol. iii.,
pl. 4, f. 20.
1879. *Murex palmiferus*, Sowerby. *Thes. Conch.*, p. 18,
sp. 84, pl. 4, f. 41.
1880. *Murex (Chicoreus) palmiferus*, Tryon. *Man. Conch.*, vol. ii., p. 90, pl. 14, f. 146.
1880. *Murex (Tribulus) australis*, Tryon. *Ibid.*, p. 83.
1882. *Murex (Chicoreus) australis*, Poirier. *Nouv. Arch. du Mus. d'Hist. Nat.*, 2e sér., vol. ii., p. 32, No. 4.
1886. *Murex (Chicoreus) palmiferus*, Watson, Chall. *Zool.*, vol. xv., p. 155.
1893. *Murex (Chicoreus) palmiferus*, Brazier. *P.L.S., N.S.W.*, vol. viii., pt. i., 2nd. ser., p. 113 *et seq.* *Cat. Austr. Mus.*, p. 60.

Hab.—Western Port (Q. and G., 1829). Cowes (T. S. Hall). Off East Moncoeur Island, Bass Strait, 31 fathoms, sand and shells (Challenger); Port Phillip Heads (J. B. Wilson); Port Melbourne; Airey's Inlet.

MUREX (OCINEBRA) BRAZIERI, Angas.

1877. *Murex brazieri*, Angas. *P.Z.S. Lond.*, p. 171, pl. 26, f. 3.
1879. *Murex brazieri*, Sowerby. *Thes. Conch.*, vol. iv., p. 42, sp. 200, *Murex*, pl. 33, f. 226.
1880. *Murex (Ocinebra) brazieri*, Tryon. *Man. Conch.*, vol. ii., p. 132, pl. 30, f. 289.
1882. *Murex (Muricidea) brazieri*, Poirier. *Nouv. Arch. du Mus. d'Hist. Nat.*, 2e sér., vol. v., p. 104, No. 208.
1884. *Trophon tumida*, Petterd. *Jour. of Conch.*, vol. iv., pt. 5, p. 141, No. 26.
1893. *Murex (Ocinebra) brazieri*, Brazier. *P.L.S., N.S.W.*, 2nd ser., vol. viii., pt. i., pp. 117, 118.

Hab.—Port Melbourne, and Flinders, Western Port.

MUREX PLANILIRATUS, Reeve.

1845. *Murex planiliratus*, Reeve. *Conch. Icon.*, vol. iii., pl. 31, f. 149.
 1879. *Murex planiliratus*, Sowerby. *Thes. Conch.*, vol. iv., p. 49, *Murex*, pl. 24, f. 264.
 1880. *Coralliophila costularis*, Tryon (non Lamarck).
 Man. Conch., vol. ii., p. 208, pl. 65, f. 366.
 Hab.—West Head, Western Port. One worn specimen
 only found (J. H. Gatliff).

MUREX UMBILICATUS, T. Woods.

1853. *Murex scalaris*, A. Adams (non Brocchi). *P.Z.S.*
 Lond., p. 71.
 1875. *Trophon umbilicatus*, T. Woods. *P.R.S. Tas.*,
 p. 135.
 1880. *Murex (Phyllumotus) angasi*, Tryon (non Crosse).
 Man. Conch., vol. ii., p. 109.
 1893. *Murex umbilicatus*, Brazier. *Cat. Austr. Mus.*,
 pt. 3, p. 64, and *P.L.S.*, *N.S.W.*, vol. viii.,
 pt. 1, 2nd ser., p. 116.
 1896. *Murex umbilicatus*, Verco. *T.R.S., S.A.*, p. 231,
 pl. 7, f. 4a, b, c.

Hab.—San Remo and Flinders; Jan Juc Coast and Airey's Inlet.

Obs.—Considerable confusion has surrounded this species on account of wrongful identifications. We have not referred to the whole of these, but have taken the above as sufficient. A consultation of those given will we venture to hope cover the ground and clear up the difficulties.

MUREX ENDIVIA, Lamarck.

1822. *Murex endivia*, Lam. *Anim. S. Vert.*, vol. vii., p. 168.
 1827. *Murex endivia*, Crouch. *Lam. Conch.*, pl. 18, f. 1.
 1842. *Murex endivia*, Kiener. *Icon. Coq. Viv.*, p. 52,
 pl. 35, f. 1.
 1843. *Murex endivia*, Lam. *Anim. S. Vert.* (Deshayes
 ed.), vol. ix., p. 583.
 1845. *Murex endivia*, Reeve. *Conch. Icon.*, vol. iii., pl.
 7, f. 27b, c, d.

1845. *Murex endivia*, Kuster. Conch. Cab., 2nd ed., p. 42, pl. 17, f. 7.
1879. *Murex endivia*, Sowerby. Thes. Conch., vol. iv., p. 32; *Murex*, pl. 16, f. 153, 154.
1880. *Murex (Phyllonotus) endivia*, Tryon. Man. Conch., vol. ii., p. 102, pl. 26, f. 227-229.

Hab.—Portland Bay.

Obs.—There is no doubt that the specimen in Mr. Gatliff's collection was found at Portland Bay, but as yet no further examples of this species have been obtained in the colony. It is our opinion that this species does not properly belong to our colony and that the solitary representative may possibly have got to Portland Bay accidentally through the agency of man. Before we can accept this as a Victorian shell we wish to see more examples.

Genus **Typhis**, Montfort, 1810.

TYPHIS CLERYI, Sowerby.

1866. *Typhis cleryi*, Sowerby (non Petit). Thes. Conch., vol. iii., p. 320, pl. 284, f. 14.
1874. *Typhis cleryi*, Reeve. Conch. Icon., vol. xix., pl. 3, f. 11.
1880. *Typhis cleryi*, Tryon. Man. Conch., vol. ii., p. 137, pl. 30, f. 302.
1883. *Typhis philippensis*, Watson. Prelim. Rep., pt. xv., J.L.S. Lond., vol. xvi., p. 605.
1886. *Typhis philippensis*, Watson. Chall. Zool., vol. 15, p. 162, pl. 10, f. 4.
1893. *Typhis cleryi*, Brazier. Cat. Austr. Mus., p. 73.

Hab.—Off the entrance to Port Phillip, Melbourne, 33 fathoms, sand (Challenger).

Obs.—We agree with Mr. J. Brazier that the Sydney shell under the name of *T. cleryi*, Sowerby, is identical with that named by Mr. Boog Watson as *T. philippensis*.

TYPHIS ARCUATUS, Hinds.

1843. *Typhis arcuatus*, Hinds. P.Z.S. Lond., p. 19, and Voy. Sulphur, Mollusea, p. 10, pl. 3, f. 1, 2.
1862. *Typhis japonicus*, A. Adams. P.Z.S. Lond., p. 374.

1866. *Typhis arcuatus*, Sowerby. *Thes. Conch.*, vol. iii., p. 320, pl. 284, f. 3, 4, 5
 1874. *Typhis arcuatus*, Reeve. *Conch. Icon.*, vol. xix., pl. 3, f. 10.
 1876. *Typhis arcuatus*, T. Woods. *P.R.S. Tas.*, p. 132.
 1877. *Typhis arcuatus*, Kobelt. *Jahrb. d. deutsch. Malak. Gesell.*, vol. iv., p. 289.
 1880. *Typhis arcuatus*, Tryon. *Man. Conch.*, vol. ii., p. 136, pl. 30, f. 293.
 1893. *Typhis arcuatus*, Brazier. *Cat. Austr. Mus.*, pt. iii., p. 72.

Hab.—Jan Juc Coast, collected by the late J. F. Bailey.

TYPHIS YATESI, Crosse.

1865. *Typhis yatesi*, Crosse. *Jour. d. Conch.*, p. 54, pl. 2, f. 3.
 1866. *Typhis yatesi*, Sowerby. *Thes. Conch.*, p. 284, f. 20, 21.
 1880. *Typhis yatesi*, Sowerby. *Thes. Conch.*, pl. 2, f. 22, 23.
 1880. *Typhis yatesi*, Tryon. *Man. Conch.*, p. 137, pl. 30, f. 294.
 1895. *Typhis yatesi*, Verco. *T.R.S., S.A.*, p. 97, pl. 2, f. 6.

Hab.—Dredged in Western Port Bay by Mr. J. Gabriel.

Genus **Trophon**, Montfort, 1810.

TROPHON PETTERDI, Crosse.

- Trophon petterdi*, Brazier, m.s.
 1870. *Trophon petterdi*, Crosse. *Jour. d. Conch.*, vol. x., p. 303.
 1871. *Trophon petterdi*, Crosse. *Id.*, vol. xi., p. 324, pl. 12, f. 2.
 1875. *Trophon clathratus*, T. Woods. *P.R.S. Tas.*, p. 135.
 1878. *Trophon petterdi*, Kobelt. *Conch. Cab.*, vol. iii., p. 300, No. 30, pl. 75, f. 9, 10.
 1879. *Murex petterdi*, Sowerby. *Thes. Conch.*, p. 48, sp. 224, pl. 24, f. 255.

1880. *Trophon petterdi*, Tryon. Man. Conch., p. 148, pl. 33, f. 361.

Hab.—Port Phillip and coast generally.

Obs.—Sowerby's figure of this species is very bad, but the description agrees with our shell, and Tryon's figure is worse than useless.

TROPHON BRAZIERI, T. Woods.

1875. *Trophon brazieri*, T. Woods. P.R.S. Tas., p. 136.
1876. *Siphonalia castanea*, T. Woods. P.R.S. Tas., p. 139.
1880. *Trophon brazieri*, Tryon. Man. Conch. pp. 148, 156.

Hab.—Sandringham; Flinders, Western Port.

TROPHON GOLDSTEINI, T. Woods.

1875. *Trophon goldsteini*, T. Woods. P.R.S. Tas., p. 136.
1880. *Trophon goldsteini*, Tryon. Man. Conch., pp. 148, 156.
1895. *Trophon goldsteini*, Verco. T.R.S., S.A., vol. xix., p. 97, pl. 1, f. 4, 4a, 5.

Hab.—Dredged at Pt. Philip Heads (J. B. Wilson); Flinders, Western Port.

TROPHON FLINDERSI, Adams and Angas.

1863. *Purpura flindersi*, Adams and Angas. P.Z.S. Lond., p. 421, pl. 37, f. 22.
1880. *Trophon flindersi*, Tryon. Man. Conch., vol. ii., p. 150, pl. 33, f. 357.
1895. *Trophon laevis*, Verco. T.R.S., S.A., p. 87, pl. 2, f. 5, 5a.

Hab.—Port Fairy.

TROPHON PAIVÆ, Crosse.

1864. *Trophon paivæ*, Crosse. Jour. d. Conch., vol. xii., p. 278, pl. 11, f. 7.
1873. *Fusus corticatus*, Hutton. Cat. N.Z. Moll., p. 9.
1876. *Trophon assisi*, T. Woods. P.R.S. Tas., p. 132.
1878. *Trophon paivæ*, Kobelt. Conch. Cab., vol. iii., p. 299, No. 28, pl. 71, f. 11.
1880. *Trophon paivæ*, Hutton. N.Z. Moll., p. 49.

1880. *Urosalpinx paivæ*, Tryon. *Man. Conch.*, vol. ii., p. 155, pl. 39, f. 495.
 1895. *Trophon paivæ*, Verco. *T.R.S., S.A.*, p. 98, pl. 3, f. 2.

Hab.—Port Phillip, Western Port, and coast generally.

Obs.—Dr. Verco says *T. assisi*, T. Woods, is a distinct species from *T. paivæ*, Crosse. We however have not seen sufficiently good and constant characters in our examples of *T. assisi* to regard it as a good species. We have seen shells from South Australia and Tasmania which seem to conform well to T. Woods' description of *T. australis*; it is closely related to *T. paivæ*, but presents some differential characters which incline us to the opinion that it may possibly be conveniently regarded as a species, but if a large series be studied it may perhaps be found necessary to include it as but another variation of *T. paivæ*.

TROPHON EBURNEA, Petterd.

1884. *Trophon eburnea*, Petterd. *Jour. of Conch.*, p. 142, sp. 27.

Hab.—Flinders, Western Port.

Obs.—This shell was removed to Tritonidea by Mr. Adecock in his list of South Australian Mollusca, but the change does not seem to be warranted by the characters displayed by the shell, our specimens not showing any columellar ridges or posterior tubercle, nor is the outer lip thick, and it is a distinctly umbilicate shell. *Triton speciosa*, Angas, from Port Jackson seems to be closely related generically, and also *Murex borealis*, Reeve, but we are not yet satisfied as to the best generic position.

Genus *Purpura*, Bruguière, 1789.

PURPURA SUCCINCTA, Martyn.

1784. *Buccinum succinetum*, Martyn. *Univ. Conch.*, vol. ii., pl. 45.
 1788. *Buccinum orbita*, Gmelin. P. 3490, No. 183.
Buccinum orbita, Chemnitz. *Conch. Cab.*, vol. x., p. 199, pl. 154, f. 1471, 1472.
Purpura succincta, Lamarck. *Anim. S. Vert.*, 2 ed., vol. x., p. 62, No. 5.

1822. *Purpura textiliosa*, Lamiarek. Anim. S. Vert., vol. vii., No. 24, 2 ed.; vol. x., p. 77, No. 24.
- 1832.—*Purpura textilosa*, Blainville. Pourp. Nouv., Ann. de Mus., vol. i., p. 249, No. 98.
1833. *Purpura textiliosa*, Quoy and Gaimard. Astrolabe Zool., vol. ii., p. 552, pl. 37, f. 1-3.
Purpura succineta, Kiener. Coq. Viv. Purpura, p. 105, No. 66, pl. 27, f. 73.
Purpura textiliosa, Kiener. Id., p. 104, No. 65, pl. 27, f. 72.
1846. *Purpura textiliosa*, Reeve. Conch. Icon., vol. iii., Purpura, No. 66, pl. 12, f. 66.
1846. *Purpura succincta*, Reeve. Id., No. 23, pl. 5, f. 23.
1858. *Purpura textiliosa*, Chemnitz. Conch. Cab. (ed. Kuster), No. 29, p. 122, pl. 21, f. 9.
1858. *Purpura succincta*, Chemnitz. Id., p. 124-5, No. 31, pl. 22, f. 9, 10, pl. 22a, f. 2.
1880. *Purpura succincta*, Hutton. N.Z. Moll., p. 56.

Hab.—Common in Port Phillip and along the coast generally.

Obs.—There seems to be no doubt whatever, that *P. succincta* and *P. textiliosa* are but variations of the one species. The nature of their habitat probably controlling their variations to a great extent. The finer ornamented form is the commoner with us.

PURPURA BAILEYANA, T. Woods,

1881. *Purpura baileyana*, T. Woods. T.R.S. Vic., vol. 17, p. 80, f. 1, 2.

Hab.—Schnapper Point, Port Phillip, locality of type; Flinders, Western Port; Puebla coast.

Obs.—The figure of this species is a very bad representation of the shell, but as the type is in the National Museum, Melbourne, we have been able to compare our specimens with it.

Genus SISTRUM, Montfort, 1810.

SISTRUM ADELAIDENSIS, Crosse and Fischer.

1865. *Ricinula adelaidensis*, Crosse and Fischer. Jour. d. Conch., vol. xiii., p. 50, pl. 2, f. 1.

1875. *Purpura littorinoides*, T. Woods. P.R.S. Tas., p. 135.
 1876. *Purpura propinqua*, T. Woods. P.R.S. Tas., p. 135.
 1878. *Cominella albolirata*, T. Woods. P.R.S. Tas., p. 33.
 1880. *Ricinula adelaidensis*, Tryon. Man. Conch., vol. ii., p. 189, pl. 59, f. 273.

Hab.—Flinders, Western Port, and Port Phillip; very common on the rocks between tide marks.

Obs.—After careful examination we have come to the conclusion that the above species of the late Rev. J. E. T. Woods are synonymous with Messrs. Crosse and Fischer's species. Where the types of *P. littorinoides*, and *P. propinqua* are, we do not know, but judging by the descriptions there is no doubt they fall in here. The type of *Cominella albolirata*, T. Woods, is however in the National Museum, Melbourne, and from an examination of it we have no doubt about it being a well preserved form of the above species. The shells labelled *P. littorinoides* in the National Museum agree with the above determination.

SISTRUM RETICULATUM, Quoy and Gaimard.

1832. *Purpura reticulata*, Quoy and Gaimard. Blainville, Nouv. Ann. du Mus., vol. i., p. 229.
 1833. *Purpura reticulata*, Quoy and Gaimard. Astrolabe, Zool., vol. ii., p. 566, pl. 38, f. 17, 18.
 1865. *Purpura humilis*, Crosse and Fischer. Jour. d. Conch., p. 51, pl. 2, f. 2.
 1867. *Purpura (Stramonita) neglecta*, Angas. P.Z.S. Lond., p. 110, pl. 13, f. 3.
 1880. *Ricinula reticulata* Tryon. Man. Conch., vol. ii., pl. 59, f. 264.

Hab.—Western Port (common), Port Phillip, Jan Juc and Polwarth coast (Airey's Inlet, Lorne, etc.).

Obs.—It appears from the above as if Blainville had had access to the Astrolabe descriptions before the publication of that work, as we are not aware of any preliminary descriptions of the Astrolabe material, it would seem as if this species should properly be referred to as Blainville's. Perhaps some of our European friends may be able to solve this little difficulty.

SISTRUM ASPERUM, Lamarck.

- Ricinula aspera, Lam. Enc. Méth., pl. 395, f. 4.
Ricinula asperus, Lam. 2nd ed., vol. x., p. 51.
1832. Ricinula biconica, Blainville. Nouv. Ann. du Mus., vol. i., p. 203, pl. 9, f. 1.
1846. Ricinula aspera, Reeve. Conch. Icon., vol. iii., pl. 2, f. 13.
1880. Ricinula asperus, Tryon. Man. Conch., p. 185, pl. 57, f. 216.

Hab.—Lakes Entrance, Gippsland, collected by Mr. Kershaw.

Obs.—Our shell agrees well with the figure and description of Blainville, and also with Reeve's figure, but the description of the latter is so poor that scarcely anything can be made out of it. Tryon makes *R. morus*, Lamarck, a synonym of this species, but with this we cannot agree. With regard to Tryon's figures we can accept figure 216, but figure 215 appears to be a distinct form.

Family CORALLIOPHILIDÆ.

Genus **Coralliophila**, H. and A. Adams, 1853.

CORALLIOPHILA WILSONI, Pritchard and Gatliff.

1897. Coralliophila wilsoni, Pritchard and Gatliff. P.R.S. Vic., n.s., vol. 10, pt. ii., p. 140.

Hab.—Port Phillip Heads, dredged alive by the late Mr. J. Bracebridge Wilson.

Obs.—This appears to be undoubtedly a new species, a description of which will be seen in the preceding paper.

CORALLIOPHILA, sp.

Hab.—Port Fairy and San Remo.

Obs.—Our shell seems to be somewhat closely allied to *Coralliophila fritschi*, Martens, Jähr. Mal. Gesell., i, p. 135, pl. 6, f. 3, from South Africa, which Tryon figures on pl. 65, f. 352. The material at present at our disposal we regret to say does not enable us to fix this species satisfactorily. Tryon figures *C. costularis*, Lam. (pl. 65, f. 365, 366), but he appears to represent two distinct species, neither of which at all represents our shell.

CORALLIOPHILA, sp.

Hab.—San Remo and Lorne.

Obs.—It was thought that this shell might be *Rapana* (*Lati-axis*) *nodosus*, A. Adams and Angas, but we feel certain that it cannot be that species. Shells sent to us from Port Jackson, under the name of *Rapana nodosa*, differ from ours in many respects, and it is even doubtful whether the Sydney shell has been correctly named. If Tryon be consulted on the matter, he does not clear up anything, but appears to be in a hopeless muddle himself. It seems probable that our shell is a new species, but want of sufficiently well-preserved specimens has debarred us from describing it at present.

Family **LOTORIIDÆ.**Genus **Lotorium**, Montfort, 1810.**LOTORIUM AUSTRALIS**, Lamarck.

- 1839. *Triton australe*, Lamarck. *Anim. S. Vert.* (Desh. & Edw. ed.), vol. iii., p. 722.
- 1843. *Triton australe*, Lamarck. *Anim. S. Vert.* (Desh. ed.), vol. ix., p. 625, No. 3.
- *Triton australis*, Kiener. *Coq. Viv.*, *Triton*, p. 32, No. 24, pl. 3, f. 1.
- 1844. *Triton australis*, Reeve. *Conch. Icon.*, *Triton*, No. 12, pl. 4, f. 12a, and pl. 5, f. 12b.
- 1855. *Triton australis*, Sowerby. *Genera of Shells*, *Triton*, pl. 1.
- 1878. *Triton australis*, Kobelt. *Conch. Cab.* (ed. Kuster), vol. iii., *Triton*, p. 174, No. 15, pl. 50.
- 1880. *Tritonium australis*, Hutton. *N.Z. Moll.*, p. 63.
- 1881. *Triton australis*, Tryon. *Man. Conch.*, vol. iii., pl. 4, f. 23.

Hab.—Portland.

Obs.—Professor Tate and Mr. Adcock apparently regard *Triton nodiferus*, Lamarck, or *T. nodifer*, Lamarck, as the same shell as the above species as evidenced by the list of Aquatic Mollusca of South Australia, and they also include *T. sauliae*, Reeve, in the synonymy. In our opinion it is doubtful that *T. nodifer*, Lam., and *T. sauliae*, Reeve, are identical, and we

cannot concede that *T. australis* is also identical and therefore refer to it as above.

LOTORIUM SUBDISTORTUM, Lamarck.

1822. *Triton subdistortum*, Lamarck. *Anim. S. Vert.*, vol. vii., p. 186, and 1843 (ed. Desh.), vol. ix., p. 638, No. 23.
Triton subdistortum, Kiener. *Coq. Viv.*, p. 37, No. 29, pl. 16, f. 2.
1844. *Triton subdistortum*, Reeve. *Conch. Icon.*, vol ii., pl. 1, f. 2a, b.
1878. *Triton subdistortum*, Kobelt. *Conch. Cab.* (ed. Kuster), *Triton*, pp. 216, 267, pl. 70, f. 5, 6 (not pl. 61, f. 1-2).
1881. *Triton subdistortus*, Tryon. *Man. Conch.*, vol. iii., p. 11, pl. 3, f. 18.
1886. *Triton subdistortus*, Watson. *Chall. Zool.*, vol. xv., p. 390, No. 2.

Hab.—Off East Moncoeur Island, Bass Straits (Challenger); Airey's Inlet; Flinders, Western Port; Lakes Entrance, Gippsland.

LOTORIUM BASSI, Angas.

1869. *Triton bassi*, Angas. *P.Z.S. Lond.*, p. 45, pl. 2, f. 2.
1878. *Triton bassi*, Kobelt. *Conch. Cab.* (ed. Kuster), vol. iii., p. 249, No. 97, pl. 68, f. 2, 3.
1881. *Triton bassi*, Tryon. *Man. Conch.*, vol. 3, p. 11, pl. 3, f. 20.

Hab.—Corner Inlet, Bass Straits (J. Brazier), Flinders, Western Port.

LOTORIUM SPENGLERI, Chemnitz.

- Murex cutaceus*, Chemnitz (non Linné). *Conch. Cab.*, vol. x., p. 266, pl. 163, f. 1559, 1560.
1795. *Murex spengleri*, Chemnitz. *Conch. Cab.*, vol. xi., p. 117, pl. 191, f. 1839, 1840.
1822. *Triton spengleri*, Lamarck. *Anim. S. Vert.*, vol. vii., p. 181.
1833. *Triton spengleri*, Quoy and Gaimard. *Astrolabe, Zool.*, vol. ii., p. 538, pl. 40, f. 1, 2.

1843. *Triton spengleri*, Lam. (ed. Desh.). Vol. ix., p. 627, sp. 6.
1844. *Triton spengleri*, Reeve. Conch. Icon., vol. ii., pl. 11, f. 36.
1857. *Tritonium barthelemyi*, Bernardi. Jour. d. Conch., vol. vi., p. 54, pl. 1, f. 1.
1864. *Triton waterhousei*, Adams and Angas. P.Z.S. Lond., p. 35 (without figure).
1873. *Triton spengleri*, Hutton. Cat. N.Z. Moll., p. 13, No. 32.
1878. *Triton strangei*, Adams and Angas. P.Z.S. Lond., pl. 50, f. 16.
1878. *Triton spengleri*, Kobelt. Conch. Cab., (ed. Kuster). Vol. 3, p. 166, pl. 44, f. 5, 6, pl. 45, f. 5, 6.
1878. *Triton barthelemyi*, Kobelt. *Id.*, p. 222, No. 65, pl. 62, f. 1.
1878. *Triton strangei*, Kobelt. *Id.*, p. 269.
1878. *Triton waterhousei*, Kobelt. *Id.*, p. 257, No. 107, pl. 69, f. 1, 2.
1880. *Tritonium spengleri*, Hutton. N.Z. Moll., p. 64.
1881. *Triton spengleri*, Tryon. Man. Conch., vol. iii., p. 16, pl. 9, f. 61.
1881. *Triton strangei*, Tryon. Man. Conch., vol. iii., p. 17, pl. 9, f. 67.
1881. *Triton barthelemyi*, Tryon. Man. Conch., vol. iii., p. 17, pl. 10, f. 69.
1886. *Triton spengleri*, Watson. Chall. Zool., vol. xv., p. 393, No. 5.

Hab.—Port Phillip Bay, Western Port, Gippsland Coast, Barwon Heads, Polwarth Coast, Cape Otway, Warrnambool, etc.

Obs.—This shell is very common with us at almost every point of our coast, and as a consequence large series of specimens can be obtained with very little difficulty. When a series is studied the great amount of variation to which the species is subject can be readily seen, whereas when a small number of specimens are examined there appears to be several distinct species represented. We have, as may be seen above, lumped a number of species as identical with *T. spengleri*, because we have been unable to find

constant characters to distinguish them, and have been able to bridge over all the gaps between the extremes of variation by serial specimens. Thus the main features of difference between *T. waterhousei* and *T. spengleri*, drawn attention to in the original description of the former by Messrs. Adams and Angas are that *T. waterhousei* has a squamato-pilose epidermis, a broad flattened varix to the outer lip, double liræ on the whorls, and a smooth inner lip anteriorly. Although specimens of this type can be obtained, still with the intermediate forms, we have been compelled to regard them as the same species. *T. barthelemyi*, Bernardi, appears to us to be but one of the senile types of *T. spengleri*, and we have no hesitation whatever in including it as a synonym. *T. strangei*, Adams and Angas, is also a synonym, having been founded upon a young specimen with a perfect and characteristic embryo; this portion of the larger and more adult specimens being almost always different in appearance on account of erosion or corrosion.

LOTORIUM EXARATUM, Reeve.

1844. *Triton exaratus*, Reeve. P.Z.S. Lond., p. 116.
1844. *Triton exaratus*, Reeve. Conch. Icon., pl. 13, f. 50.
1878. *Triton exaratus*, Kobelt. Coneh. Cab., p. 231, pl. 64, f. 6, 7.
1881. *Triton exaratus*, Tryon. Man. Conch., vol. iii., p. 22, pl. 12, f. 102-104.

Hab.—Port Fairy (Rev. T. Whan), San Remo.

LOTORIUM EBURNEUM, Reeve.

1844. *Triton eburneus*, Reeve. P.Z.S. Lond., p. 118.
1844. *Triton eburneus*, Reeve. Conch. Icon., pl. 17, f. 69.
1878. *Triton eburneus*, Kobelt. Conch. Cab., p. 221, pl. 61, f. 9.
1881. *Triton eburneus*, Tryon. Man. Conch., vol. iii., p. 24, pl. 13, f. 115.

Hab.—Port Phillip, Western Port, Barwon Heads, Puebla Coast, Airey's Inlet, Lorne, etc.

Obs.—The habitat of this species is given by Reeve on the authority of Cuming as Island of Ticao, Phillipines; at the same time, however, he mentions that the shell has somewhat the form of the New Holland species *T. Quoyi*. With the latter

remark we are very much inclined to agree, and though at present we refer to it above as a distinct species, we think it not unlikely that the discovery of further forms may considerably tone down the differences, if not entirely bridge over the gaps.

LOTORIUM VERRUCOSUM, Reeve.

- 1844. *Triton verrucosus*, Reeve. P.Z.S. Lond., p. 118.
- 1844. *Triton quoyi*, Reeve. *Id.*, p. 118.
- 1844. *Triton verrucosus*, Reeve. Conch. Icon., vol. ii., pl. 17, f. 71.
- 1844. *Triton quoyi*, Reeve. *Id.*, pl. 19, f. 93.
- 1878. *Triton quoyi*, Kobelt. Conch. Cab., p. 188, pl. 52, f. 6, 7.
- 1878. *Triton verrucosus*, Kobelt. *Id.*, vol. iii., p. 232, pl. 64, f. 9.
- 1881. *Triton quoyi*, Tryon. Man. Conch., vol. iii., p. 24, pl. 13, f. 116.
- 1881. *Triton verrucosus* Tryon. *Id.*, f. 117.

Hab.—Very common all along the Victorian Coast.

Obs.—This shell is one of the commonest along our shores, and as is generally the case with large numbers of representatives the variations apart from abnormal developments become perplexing. We cannot see any good reasons for considering *T. quoyi* and *T. verrucosus* as distinct species, even Reeve himself states that "care must be taken not to confound this shell (*i.e.*, *T. verrucosus*), with the lesser New Holland species, *Triton quoyi*." As both these species were described at the same time priority can only be given to that name which appears first. The more carefully this species is examined the more one is compelled to accept the above as the most convenient and useful conclusion, especially in view of the variation allowances that we have had to make in the case of other species of this genus.

Genus Colubraria, Schumacher, 1817.

COLUBRARIA BEDNALLI, Brazier.

- 1875. *Triton (Epidromus) bednalli*, Brazier. P.L.S., N.S.W., p. 6.
- 1875. *Pisania tasmanica*, T. Woods. P.R.S. Tas., p. 134.

1831. Triton (Epidromus) bednalli, Tryon. Man. Conch., vol. iii., pp. 32 and 225, pl. 85, f. 576.

Hab.—Port Phillip, Corio Bay, Western Port, Puebla coast.

Sub-genus **Argobuccinum**, Klein, 1753.

LOTORIUM (ARGOBUCCINUM) ARGUS, Gmelin.

- Murex argus, Gmelin. Syst. Nat., p. 3547, No. 78, and Chemnitz, Conch. Cab., vol. iv., p. 75, pl. 127, f. 1223.
1822. Ranella argus, Lamarck. Anim. S. Vert., vol. vii., p. 151.
1832. Triton ranelliformis King. Zool. Jour., vol. v., p. 347.
1839. Ranella argus, Lamarck, (Desh. and Edward's 3rd ed.). Vol. iii., p. 694.
1843. Ranella argus, Lamarck (ed. Desh.). Vol. ix., p. 543, sp. 4, and Ranella vexillum, p. 553, sp. 20.
- Ranella argus, Deshayes. Encycl. meth., vol. iii., p. 878, sp. 3, pl. 414, f. 3.
- Ranella argus, Kiener. Icon. Coq. Viv., p. 31, sp. 23, pl. 8, f. 1.
- Ranella vexillum, Sowerby. Conch. Illus., Ranella, pl. 1, f. 3.
- Ranella kingii, d'Orbigny. Amér. mérid., vol. 5, p. 451.
1844. Ranella argus, Reeve. Conch. Icon., vol. ii., pl. 3, f. 12, and Ranella vexillum, f. 13.
- Bursa (Apollon) proditor, v. Frauenfeldt. Novara, Moll., p. 4, pl. 1, f. 1.
1873. Ranella vexillum, Hutton. Cat. N.Z. Moll., p. 13,
1876. Ranella (Apollon) argus, Kobelt. Jahrb. deutsch malak. Gesell., p. 326, sp. 1, and Ranella (Apollon) proditor, sp. 3, and R. vexillum, sp. 4.
1878. Ranella argus, Kobelt. Conch. Cab. (ed. Kuster), p. 125, sp. 2, pl. 37, f. 5, 6, and Ranella vexillum, p. 126, sp. 3, pl. 38a, f. 1-3.
1880. Ranella vexillum, Hutton. N.Z. Moll., p. 65.

1881. *Ranella* (*Argobuccinum*) *argus*, Tryon. Man.
Conch., vol. iii., p. 44, pl. 24, f. 61-65.
1886. *Ranella* (*Argobuccinum*) *argus*, Watson. Chall.,
Zool., vol. xv., p. 400, No. 6.

Hab.—Port Fairy, Flinders, Western Port.

Obs.—Mr. G. F. Harris in his recent catalogue of the Tertiary Mollusea of Australasia published by the British Museum uses *Apollo*, Montfort, (em. Harris) instead of *Argobuccinum*, but as there seems to be some confusion about the matter we prefer to refer to our species as above for the present.

LOTORIUM (ARGOBUCCINUM) LEUCOSTOMA, Lamarck.

1822. *Ranella leucostoma*, Lamarck. Anim. S. Vert.,
vol. vii., p. 150.
1833. *Triton leucostomum*, Quoy and Gaimard. Astrolabe, Zool., vol. ii., p. 546, pl. 40, f. 3-5.
1839. *Ranella leucostoma*, Lamarck (Desh. and Edw., ed.
3), vol. iii., p. 693.
1843. *Ranella leucostoma*, Lamarck (Desh. ed.), vol. ix.,
p. 542, sp. 2.
Ranella leucostoma, Kiener. Icon. Coq. Viv., p.
29, sp. 21, pl. 9, f. 1.
1844. *Ranella leucostoma*, Reeve. Conch. Icon., vol. ii.,
pl. 1, f. 4.
1873. *Ranella leucostoma*, Hutton. Cat. N.Z. Moll.,
p. 13.
1878. *Ranella leucostoma*, Kuster. Conch. Cab. (ed.
Kuster), p. 127, sp. 2, pl. 37a, f. 4.
1880. *Renella leucostoma*, Hutton. N.Z. Moll., pp. 64,
202.
1881. *Ranella* (*Argobuccinum*) *leucostoma*, Tryon. Man.
Conch., vol. iii., p. 42, pl. 23, f. 53, 54.
1886. *Ranella* (*Argobuccinum*) *leucostoma*, Watson.
Chall. Zool., vol. xv., p. 401, No. 7.

Hab.—Portland; Lakes Entrance, Gippsland Coast.

Obs.—The Rev. R. Boog Watson states in the Challenger Report that he very much doubts the identification of the New Zealand shells with this species. About our specimens, however, there can be no doubt as they agree exactly with the figures and descriptions and with the Port Jackson examples of the species.

Family FASCIOLARIDÆ.

Genus **Fusus** (Klein, 1753), Lamarek, 1801.

FUSUS NOVÆHOLLANDIÆ, Reeve.

1847. *Fusus novæhollandiæ*, Reeve. Conch. Icon., vol. iv., p. 197, pl. 18, f. 70.
1880. *Fusus novæhollandiæ*, Sowerby. Thes. Conch., vol. iv., pts. xxxv. and xxxvi., p. 73, pl. 408, bis (*Fusus*, 4), f. 26.
Fusus novæhollandiæ, Kobelt. Conch. Cab. (ed. Kuster), p. 194, sp. 53, pl. 63, f. 1.
1881. *Fusus spectrum*, var. Tryon. Man. Conch., vol. iii., p. 58, pl. 33, f. 108, and pl. 37, f. 137.
1886. *Fusus novæhollandiæ*, Watson. Chall. Zool., vol. xv., p. 194, No. 7.

Hab.—Off East Moncoeur Island, Bass Strait, 38 to 40 fathoms, sand and shells (Challenger). Snake Island, Port Albert; Lakes Entrance, Gippsland.

FUSUS AUSTRALIS, Quoy and Gaimard.

1833. *Fusus australis*, Quoy and Gaimard. Astrolabe, vol. ii., p. 495, pl. 34, f. 9-14.
1847. *Fusus crebriliratus*, Reeve. Conch. Icon., vol. iv., sp. 20.
1847. *Fusus aureus*, Reeve. Conch. Icon., vol. iv.
1880. *Fusus crebriliratus*, Sowerby. Thes. Conch., vol. iv., p. 77, pl. 410 (*Fusus* 6), f. 49, 50.
1880. *Fusus crebriliratus*, Sowerby. *Id.*, pl. 410, f. 51.
Fusus crebriliratus, Kobelt. Conch. Cab., vol. iii., p. 177; *Fusus*, No. 35, pl. 55, f. 3.
1881. *Fusus australis*, Tryon. Man. Conch., vol. iii., p. 55, pl. 34, f. 113, 116, 118.

Hab.—Gippsland Coast.

Obs.—In Mr. D. J. Adecocks list of the Aquatic Mollusca of South Australia, the following are given as synonyms of the above:—*F. marmoratus*, Philippi; *F. rudicostatus*, Sowerby; *F. laevigatus*, Sowerby, and *F. nodocinctus*, A. Adams (? Philippi), but we are entirely unable to accept this synonymy as correct, and must therefore leave them out of consideration.

FUSUS PYRULATUS, Reeve.

1847. *Fusus pyrulatus*, Reeve. *Conch. Icon.*, vol. iv., pl. 13, f. 50a, b.
1848. *Fusus ustulatus*, Reeve. *Conch. Icon.*, pl. 17, f. 66.
1875. *Fusus legrandi*, T. Woods. *P.R.S. Tas.*, pp. 137, 138.
1880. *Fusus ustulatus*, Sowerby. *Thes. Conch.*, vol. iv., p. 77, pl. 410 (*Fusus 6*), f. 48.
1880. *Pyrula pyrulatus*, Sowerby. *Id.*, pt. xxxvi., p. 99, pl. 411 (*Fusus 7*), f. 74.
1881. *Fusus ustulatus*, Tryon. *Man. Conch.*, vol. iii., p. 66, pl. 39, f. 170.
1881. *Fusus pyrulatus*, Tryon. *Id.*, pl. 39, f. 171-2.
Fusus pyrulatus, Kobelt. *Conch. Cab.* (ed. Kuster), p. 145, pl. 46, f. 2, 3.
1886. *Fusus pyrulatus*, Watson. *Chall. Zool.*, vol. xv., p. 192, No. 3.
1891. *Siphonalia (Austrofusus) sulcata*, Tate (non Lamarck). *T.R.S., S.A.*, vol. xiv., pt. ii., p. 257.
1891. *Siphonalia (Austrofusus) pyrulata*, Tate. *T.R.S., S.A.*, vol. xiv., pt. ii., p. 257.
1895. *Fusus pyrulatus*, Verco. *T.R.S., S.A.*, vol. xix., pt. i., p. 104, pl. 3, f. 5 (Dentition).

Hab.—Off East Moncoeur Island, Bass Strait, 38 to 40 fathoms, sand and shells (Challenger); Port Phillip, Flinders, Western Port, Corio Bay, Outer Geelong Harbour, Port Fairy (Rev. W. T. Whan).

Obs.—Making the same variation allowances as have been found necessary in the case of many of our other species, we find that we cannot do otherwise than regard *F. ustulatus*, Reeve, as but a variation of *F. pyrulatus*, Reeve, and *F. legrandi*, T. Woods, must also be included in the synonymy.

FUSUS DUNKERI, Jonas.

1844. *Fusus dunkeri*, Jonas. *Malak. Beitrag.*, p. 129; *Abbild. Phil.*, etc., vol. ii., p. 191, pl. 4, f. 4.
1847. *Fusus taylorianus*, Reeve. *Conch. Icon.*, sp. 85.

1865. *Siphonalia fuscozonata*, Angas. *P.Z.S. Lond.*, p. 56, pl. 2, f. 7-8.
1880. *Fusus taylorianus*, Sowerby. *Thes. Conch.*, vol. iv., p. 84, pl. 8, f. 89.
1881. *Fusus dunkeri*, Tryon. *Man. Conch.*, vol. iii., p. 60, pl. 37, f. 142.
1881. *Siphonalia fuscozonata*, Tryon. *Man. Conch.*, *Id.*, p. 134, pl. 55, f. 361.
1893. *Peristernia fuscozonata*, Adcock. *Cat. Mar. Shells of S.A.*, Adelaide, p. 4.
1895. *Fusus dunkeri*, Vereo. *T.R.S. S.A.*, vol. xix., pt. i., p. 106, pl. 3, f. 6 (Dentition).

Hab.—Sandringham; Port Phillip Bay.

Genus **Fasciolaria**, Lamarck, 1801.

FASCIOLARIA CORONATA, Lamarck.

1822. *Fasciolaria coronata*, Lamarck. *Anim. S. Vert.*, vol. vii., p. 120.
1839. *Fasciolaria coronata*, Lamarck. *Id.* (Desh. and Edw. ed. 3), p. 655.
1843. *Fasciolaria coronata*, Lamarck. *Id.* (Desh. ed.), vol. ix., p. 435, sp. 6.
Fasciolaria coronata, Kiener. *Icon. Coq. Viv.*, p. 9, sp. 6, pl. 9, f. 1.
Fasciolaria fusiformis, Valenciennes, in Kiener. *Coq. Viv.*, p. 13, pl. 4, f. 2.
Fasciolaria coronata, Reeve. *Conch. Icon.*, vol. ix., pl. 6, f. 14.
Fasciolaria coronata, Kobelt. *Conch. Cab.* (ed. Kuster), p. 150, sp. 17, pl. 27, f. 1, 2.
1881. *Fasciolaria coronata*, Tryon. *Man. Conch.*, vol. iii., p. 77, pl. 63, f. 34.
1881. *Fasciolaria fusiformis*, Tryon. *Man. Conch.*, vol. iii., pl. 61, f. 18, also f. 19.
1882. *Fasciolaria coronata*, Sowerby. *Thes. Conch.*, pt. xxxvii., p. 10, sp. 3, pl. 424 bis. (i. Gen.), f. 3.

1882. *Fasciolaria fusiformis*, Sowerby. *Id.*, p. 10, pl. 424, f. 4.
 1886. *Fasciolaria coronata*, Watson. *Chall. Zool.*, vol. xv., p. 241.
 1895. *Fasciolaria fusiformis*, Verco. *T.R.S., S.A.*, p. 106,
 also *F. coronata*, p. 107.

Hab.—Very common in all the rocky pools along the Victorian coast.

Obs.—There has been considerable confusion about this species and its fusiform varieties. We are however only able to recognise one species of this genus up to the present. In Sowerby's *Thesaurus conchyliorum* the shell figured on plate 427, figure 31, is stated to be a copy of Kiener's figure of the type in the French Museum. This shell we do not appear to have. On plate 424, figure 4, however, a shell is figured as *F. fusiformis* as identified by Reeve, and is in the British Museum. This form we can obtain, but it is rare and seems to be a dwarfed form of *F. coronata*, Lamarck. This shell is also figured in Tryon's *Manual of Conchology* on plate 61, figure 18. In addition Tryon figures a shell under the name of *F. fusiformis*, Val., on plate 61, figure 19, which is but a variation of *F. coronata*, Lamarck.

Genus *Latirus*, Montfort, 1810.

Latirus clarkei, T. Woods.

1875. *Siphonalia clarkei*, T. Woods. *P.R.S. Tas.*, p. 138.
 1875. *Siphonalia turrita*, T. Woods. *Id.*, pp. 138, 139.
 1893. *Peristernia clarkei*, Adcock. *Cat. Mar. Shells S.A.*, p. 4.

Hab.—Port Phillip Bay, Western Port.

Obs.—The characters of this shell do not seem to exactly warrant its location in the genus *Peristernia*. Pending further investigation it may perhaps be convenient to refer to it as above.

Family BUCCINID.E.

Genus *Siphonalia*, A. Adams, 1863.

Siphonalia dilatata, Quoy and Gaimard.

1833. *Fusus dilatatus*, Quoy and Gaimard. *Astrolabe, Zool.*, vol. ii., p. 498, pl. 34, f. 15, 16.

1847. *Fusus dilatatus*, Reeve. Conch. Icon., f. 49.
1847. *Fusus pastinaca*, Reeve. *Id.*, f. 50.
1863. *Fusus tasmaniensis*, Adams and Angas. P.Z.S. Lond., p. 421, pl. 37, f. 1.
1873. *Fusus dilatatus*, Hutton. Cat. N.Z. Moll., p. 8.
1880. *Fusus tasmaniensis*, Sowerby. Thes. Conch., p. 70, pl. 5, f. 43.
1880. *Fusus pastinaca*, Sowerby. Thes. Conch., vol. iv., p. 82, pl. 7, f. 75.
1880. *Fusus dilatatus*, Sowerby. *Id.*, pl. 7, f. 76.
1880. *Neptunæa dilatata*, Hutton. N.Z. Moll., p. 50.
1881. *Siphonalia maxima*, Tryon. Man. Conch., p. 135, pl. 54, f. 335.
1891. *Siphonalia oligostira*, Tate. T.R.S., S.A., vol. xiv., p. 258, pl. 11, f. 6.

Hab.—Port Phillip Bay, Western Port, Gippsland Coast, Port Albert, off Lakes Entrance, etc., Warrnambool and Port Fairy.

Obs.—In this case also considerable lumping is necessary, especially in view of what is now commonly accepted by many as simple variation in very common species. The very large form of this species *S. maxima* is not by any means common, but is usually obtained off Cape Schanck, or in the neighbourhood of the Ninety-Mile Beach, Gippsland, and at first sight it would certainly appear to be a good species, but many links seem to undoubtedly connect it with *S. dilatata*. *F. pastinaca*, Reeve, and *F. tasmaniensis*, Adams and Angas, are also forms inseparable from the above. *Siphonalia oligostira*, Tate, is a form which can be obtained at Warrnambool and Port Fairy, as well as in South Australia; and is but a relatively non costate, fusiform variety, and bears exactly the same relation to the ordinary type of *S. dilatata*, Quoy and Gaimard, as the fusiform variety of *Fusus coronata*, Lamarck, commonly referred to as *F. fusiformis*, does to its ordinary coronate type. As we have already admitted this variation in the case of the *Fusus* we cannot possibly neglect it in this instance. *Fusus adustus*, Philippi, may also be a synonym of this species.

Genus **Pisania**, Bivona, 1832.**PISANIA RETICULATA**, A. Adams.1854. *Pisania reticulata*, A. Adams. *P.Z.S. Lond.*, p. 138.1881. *Pisania reticulata*, Tryon. *Man. Conch.*, vol. iii., p. 147, pl. 71, f. 201.

Hab.—Port Phillip Bay, Western Port, Airey's Inlet, Warrnambool.

Genus **Cantharus** (Bolten, 1798), Möreh, 1852.**CANTHARUS AUSTRALIS**, Pease.1872. *Cantharus australis*, Pease. *Amer. Jour. Conch.*, vol. vii., p. 21.1881. *Cantharus australis*, Tryon. *Man. Conch.*, vol. iii., p. 160, pl. 73, f. 269.*Cantharus assimilis*, Angas.

Hab.—Port Fairy (Rev. W. T. Whan).

Genus **Cominella**, Gray, 1847.**COMINELLA COSTATA**, Quoy and Gaimard.1833. *Buccinum costatum*, Quoy and Gaimard. *Astro-labe*, vol. ii., p. 417, pl. 30, f. 17-20.1846. *Buccinum eburneum*, Reeve. *Conch. Icon.*, pl. 12, f. 93.1846. *Buccinum costatum*, Reeve. *Conch. Icon.*, pl. 4, f. 20.1864. *Buccinum angasi*, Crosse. *Jour. d. Conch.*, p. 275, pl. 11, f. 5.1881. *Cominella costata*, Tryon. *Man. Conch.*, vol. iii., p. 205, pl. 81, f. 430 and 434.

Hab.—A very common shell in most of the rock-pools of our coast.

Obs.—It is a point worthy of further investigation whether this shell can really be accepted as a good species. It is very closely related to the extremely common and variable form, *C. lineolata*, Lamarck, so much so that many of the gaps seem to

be almost bridged over, but as yet we have not succeeded in obtaining a complete series. Another point of interest about them is that they are very commonly associated together in the same rock-pool.

COMINELLA LINEOLATA, Lamarek.

Buccinum lineolatum, Lamarek. Encycl. Méth., pl. 400, f. 8.

1833. Buccinum lineolatum, Quoy and Gaimard. Astrolabe, vol. ii., p. 419, pl. 30, f. 14-18.
1843. Buccinum lineolatum, Lamarek. Anim. S. Vert., (Desh. ed.) vol. x., p. 164, 186.

Buccinum alveolatum, Kiener. Coq. Viv., p. 32, pl. 10, f. 34.

1846. Buccinum lineolatum, Reeve. Conch. Icon., pl. 5, f. 36.

1846. Buccinum alveolatum, Reeve. *Id.*, pl. 5, f. 37.

1846. Buccinum plurianulata, Reeve. *Id.*, pl. 5, f. 38.

1846. Buccinum obscurum, Reeve. *Id.*, pl. 9, f. 68.

1847. Buccinum lineare, Reeve. *Id.*, pl. 14, f. 116.

1847. Buccinum lacteum, Reeve. *Id.*, pl. 14, f. 117.

1864. Buccinum adelaide, Crosse. Jour. d. Conch., p. 276, pl. 11, f. 6.

1880. Cominella lactea, Hutton. Man. N.Z. Moll., p. 55.

1881. Cominella lineolata, Tryon. Man. Conch., vol. iii, p. 204, pl. 80, f. 416.

1881. Cominella alveolata, Tryon. *Id.*, pl. 80, f. 420.

1881. Cominella plurianulata, Tryon. *Id.*, pl. 81, f. 427.

1881. Cominella lineare, Tryon. *Id.*, pl. 81, f. 428.

1881. Cominella lactea, Tryon. *Id.*, pl. 81, f. 429.

Hab.—One of our commonest shells in the rocky pools along the coast.

Obs.—As can be seen from the above the synonymy in the case of this species is very heavy, but it does not require a very close examination of its many forms to convince one of their specific identity. This is an extremely good species for the study of variation.

COMINELLA (AGNEWIA) TRITONIFORMIS, Blainville.

1832. Purpura tritoniformis, Blainville. Nouv. Ann. du Mus., vol. i., p. 221, pl. 10, f. 10.

- Purpura tritoniformis, Kiener. Ieon. Coq. Viv., p. 37, pl. 8, f. 18.
1856. Cominella typica, Dunker. P.Z.S. Lond., p. 357.
1867. Adamsia typica, Angas. P.Z.S. Lond., p. 192.
1877. Agnewia typica, T. Woods. P.R.S. Tas., p. 29.
1878. Adamsia typica, Kobelt. Jahrb. deutsch. malak. Gesellsch., p. 236, sp. 1.
1880. Urosalpinx tritoniformis, Tryon. Man. Conch., vol. ii., p. 156, pl. 39, f. 491.
1886. Cominella (Adamsia) typica, Watson. Chall. Zool., vol. xv., p. 214, No. 2.

Hab.—Western Port, Port Phillip, Puebla Coast, Apollo Bay.

Obs.—In view of the ordinary laws of priority it does not seem possible to accept Adamsia for this shell as that name was preoccupied by E. Forbes for an Actinian genus in May, 1840 in the Annals of Natural History, 2nd series, vol. v., p. 181. On this account the late Rev. J. E. T. Woods proposed Agnewia to take the place of Adamsia and it seems only just that this should stand. Adamsia tritoniformis, Blainville, of New South Wales is clearly the same as our Victorian shell commonly known as Adamsia typica, Dunker, determined by a careful comparison of actual specimens. Tryon apparently regards Adamsia adelaidæ, Adams and Angas, and Purpura neglecta, Angas, as trifling varieties of Dunker's species. This, however, cannot be accepted. His figure 488 on plate 39 may probably represent C. albolirata, a variety of Sistrum adelaidensis, and from an examination of specimens of Adamsia adelaidæ, Ad. and Ang., forwarded from Port River, South Australia by Dr. Verco, we have concluded that the latter is but a slight varietal form of Sistrum adelaidensis. Tryon's figure 496 clearly represents Purpura neglecta, Angas, or what is the same thing Sistrum reticulatum, Crosse, but this cannot by any stretch of the imagination be regarded as C. tritoniformis, Blainville.

Genus **Zemira**, H. and A. Adams, 1853.

ZEMIRA AUSTRALIS, Sowerby.

Eburna australis, Sowerby. Conch. Illust., pt. xx., No. 8, pl. 20, f. 5.

1858. Eburna (Zemira) australis, Adams. Genera, vol. i., p. 110.

1859. *Pseudoliva australis*, Sowerby. *Thes. Conch.*,
vol. iii., pt. xix., p. 73, sp. 2, pl. 216, f. 7, 8.
Eburna australis, Reeve. *Conch. Icon.*, vol. v.,
pl. 1, f. 4.
1880. *Eburna australis*, Löbbecke and Kobelt. *Jahr.*
Malak. Gesellsch., p. 335, No. 10, pl. 7, f. 5-8.
Eburna australis, Kobelt. *Conch. Cab.* (ed. Kuster),
Eburna p. 6, sp. 10, pl. 71, f. 7-9.
1881. *Eburna (Zenira) australis*, Tryon. *Man. Conch.*,
vol. iii., p. 213, pl. 82, f. 474.
1886. *Eburna (Zenira) australis*, Watson. *Chall. Zool.*,
vol. xv., p. 222.

Hab.—Off East Moncoeur Island, Bass Strait, 38 fathoms
sand and shells (Challenger). Dredged alive in Western Port
by Mr. C Gabriel.

Genus **Phos**, Montfort, 1810.

PHOS SENTICOSUS, Linné.

- Murex senticosus, Linné. *Syst. Nat.*, ed. xii., p.
1220, No. 546.
- Turbo senticosus, Chemnitz. *Conch. Cab.*, vol. iv.,
p. 308, pl. 155, f. 1466, 1467.
- Murex senticosus, Chemnitz. *Id.*, vol. xi., p. 132,
pl. 143, f. 1864-1866.
1822. Cancellaria senticosa, Lamarck. *Anim. S. Vert.*,
vol. vii., p. 111.
- Buccinum senticosum, Kiener. *Icon. Coq. Viv.*,
p. 26, sp. 27, pl. 9, f. 31.
1833. Buccinum senticosum, Quoy and Gaimard. *Astro-*
labe, vol. ii., p. 453, pl. 31, f. 1-4.
1843. Cancellaria senticosa, Lamarck. *Anim. S. Vert.*,
(ed. Desh.), vol. ix., f. 406.
1850. Phos senticosus, A. Adams. *P.Z.S.*, p. 153, sp. 1.
1859. Phos senticosus, Sowerby. *Thes. Conch.*, vol. iii.,
pt. xix., p. 89, sp. 1, pl. 221, f. 8-11.
1875. Phos senticosus, Woodward. *Man. Mollusca*,
p. 221, pl. 5, f. 18.
1878. Phos senticosus, E. A. Smith. *P.Z.S. Lond.*, p. 811.

1886. *Phos senticosus*, Brazier. P.L.S., N.S.W., vol. i., p. 176. No. 27.

1886. *Phos senticosus*, Watson. Chall. Zool., vol xv., p. 218.

Hab.—Gippsland Coast.

Genus **Nassa**, Lamarek. 1799.

NASSA FASCIATA, Lam.

1822. *Buccinum fasciatum*, Lam. Anim. S. Vert., vol. vii., p. 271, No. 28.

1833. *Buccinum fasciatum*, Q. and G. Astrolabe, vol. ii., p. 445, pl. 32, f. 18-21.

1853. *Nassa fasciata*, Reeve. Conch. Icon., vol. viii., pl. 4, f. 40.

1882. *Nassa (Hima) fasciata*, Tryon. Man. Conch., vol. iv., p. 46, pl. 14, f. 237, 238.

Hab.—Rather common at most parts of our coast.

NASSA JACKSONIANA, Quoy and Gaimard.

1833. *Buccinum jacksonianum*, Q. and G. Astrolabe, vol. ii., p. 452, pl. 32, f. 28, 29.

1834. *Buccinum jacksonianum*, Kiener. Coq. Viv. Mon. Bucc., pl. 19, f. 73.

1864. *Nassa munieriana*, Crosse. Jour. d. Conch., vol. xii., p. 345, pl. 13, f. 6.

1875. *Nassa tasmanica*, Tension Woods. P.R.S. Tas., p. 150.

1882. *Nassa (Alectrion) monile*, Tryon (non Kiener). Man. Conch., vol. iv., p. 28, pl. 9, f. 63, 64.

Hab.—Port Phillip generally; Western Port; Warrnambool and S.W. coast generally.

Obs.—*N. monile*, Kiener, we have not got, its habitat being New Guinea, New Caledonia, and thereabouts; with regard to this species Tryon seems to be in a hopeless muddle, and his figures are only confusing. Crosse's species *N. munieriana* seems to be only a somewhat irregularly grown example of *N. jacksoniana*, Q. and G. Watson regards *N. munieriana*, Crosse, as a depauperated variety of *N. pauperata*, Lam., but with this opinion we cannot concur.

NASSA PAUPERATA, LAM.

1822. *Buccinum pauperatum*, Lam. *Anim. S. Vert.*, vol. vii., p. 278.
Buccinum pauperatum, Lam. *Anim. S. Vert.*, vol. x., p. 183, sp. 56.
Buccinum pauperatum, Kiener. *Icon. Coq. Viv.*, p. 90, sp. 89, pl. 29, f. 118.
1851. *Nassa pauperata*, A. Adams. *P.Z.S.*, p. 95, sp. 9.
1853. *Nassa pauperata*, Reeve. *Conch. Icon.*, vol. viii., pl. 5, f. 27.
1853. *Nassa lirella*, Reeve. *Id.*, pl. 14, f. 95.
1865. *Nassa (Niota) pauperata*, Angas. *P.Z.S.*, p. 163, No. 40.
1867. *Nassa (Niota) pauperata*, Angas. *P.Z.S.*, p. 190, No. 24.
1882. *Nassa (Niota) pauperata*, Tryon. *Man. Conch.*, vol. iv., p. 52, pl. 16, f. 288, 289 (?).
1886. *Nassa (Niota) pauperata*, Watson. *Chall. Zool.*, vol. xv., p. 176.

Hab.—On the sand banks at low tide Port Phillip generally; Western Port; Gippsland Coast; Port Albert; off East Moncoeur Islands, 38 fathoms (Challenger); Warrnambool, Port Fairy.

Obs.—*N. Burchardi*, Dunker, may be only a variety of this species. Tryon's figures need some checking, f. 288 can be accepted, but f. 289 to 291 are very doubtful.

NASSA LABECULA, A. Adams.

1851. *Nassa labecula*, A. Ad. *P.Z.S.*, p. 98.
1853. *Nassa labecula*, Reeve. *Conch. Icon.*, vol viii., pl. 25, f. 166.
1882. *Nassa (Arcularia) labecula*, Tryon. *Man. Conch.*, vol. iv., p. 26, pl. 8, f. 31.

Hab.—Port Phillip.

Obs.—Tryon says *N. labecula*, A. Adams = *N. jonasi*, Dunker; the latter species however we have been unable to recognise among our shells.

NASSA RUFOCINCTA, A. Adams.

1851. *Nassa rufocincta*, A. Adams. *P.Z.S.*, p. 106.
1864. *Nassa tringa*, Sowerby. *Jour. d. Conch.*, p. 272, pt. 10, f. 7.

1865. *Nassa compacta*, Angas. P.Z.S., p. 154.

1882. *Nassa (Hima) tringa*, Tryon. Man. Conch., vol. iv., p. 47, pl. 15, f. 251.

1882. *Nassa (Hima) compacta*, Tryon. *Id.*, f. 252.

Hab.—Common at all the Port Phillip collecting grounds; Western Port, Gippsland Coast, South West Coast.

NASSA GLANS, Lin.

1767. *Buccinum glans*, L. Syst. Nat. (12th edit.), p. 1200, No. 456.

Buccinum glans, Chemnitz. Conch. Cab., vol. iv., p. 60, pl. 125, f. 1196-1200.

1853. *Nassa glans*, Reeve. Conch. Icon., vol. viii., pl. 1, f. 5.

Nassa glans var. *intermedia*, Dunk. Voy. Novara, Moll., p. 5, pl. 1, f. 2.

1882. *Nassa (Alectrion) glans*, Tryon. Man. Conch., vol. iv., p. 27, pl. 8, f. 52.

1886. *Nassa (Alectryon) glans*, Watson. Chall. Zool., vol. xv., p. 179, No. 10.

Hab.—Portarlington.

Obs.—The form of this species occurring with us is not *N. suturalis*, Lam., but rather the *N. glans* var. *intermedia*, Dunker, hitherto it has been a very rare shell with us.

Genus Voluta, Linn. 1758.

VOLUTA UNDULATA, Lamarck.

1880. *Voluta undulata*, Lamarck. Ann. du Mus., vol. v., p. 157, pl. 12, f. 1.

1812. *Voluta undulata*, Lamarck. *Id.*, vol. xvii, p. 71, sp. 36.

1822. *Voluta undulata*, Lamarck. Anim. S. Vert., vol. vii., p. 345, No. 38.

Voluta undulata, Lamarck. *Id.* ed. Desh., vol. x., p. 401, sp 38.

1833. *Voluta undulata*, Quoy and Gaimard. Astrolabe, vol. ii., p. 623, pl. 44, f. 1, 2.

Voluta undulata, Kiener. Icon. Coq. Viv., p. 52, sp. 44, pl. 44, f. 1.

- Voluta undulata, Kuster. Conch. Cab., p. 163,
sp. 13, pl. 3, f. 3, 4.
1849. Voluta undulata, Reeve. Conch. Icon., vol. vi.,
pl. 11, f. 26.
1864. Voluta (Amoria) undulata, Angas. P.Z.S. Lond.,
p. 52, sp. 18.
- Voluta undulata, Sowerby. Thes. Conch. pt. 5,
p. 196, sp. 9, pl. 48, f. 28, 29.
- Voluta angasi, Sowerby. Id., pt. 23, p. 271, sp.
73, f. 99.
- Voluta angasi, Cox. Distrib. Austr. Volutae, p.
12, sp. 14.
1869. Voluta sclateri, Cox. P.Z.S. Lond., p. 358, pl. 26,
f. 3.
1871. Voluta australiae, Cox. P.Z.S. Lond., p. 643, pl.
52, f. 1, 1a.
1871. Voluta (Amoria) undulata, Crosse. Jour. d. Conch.,
vol. xix., p. 288, sp. 36.
1877. Voluta (Amoria) undulata, Kobelt. Jahr. deutsch.
Malak. Gesellsch., p. 307, sp. 36.
1882. Voluta (Amoria) undulata, Tryon. Man. Conch.,
vol. iv., p. 92, pl. 28, f. 97, 98.
1882. Voluta (Aulica) australiae, Tryon. Id., p. 91,
pl. 26, f. 73.
1882. Voluta (Amoria) sclateri, Tryon. Id., p. 92, pl.
27, f. 83.
1886. Voluta (Scaphella) undulata, Watson. Chall. Zool.,
vol. xv., p. 257, No. 7.

Hab.—Off East Moncoeur Island, Bass Strait (Challenger),
off Lakes Entrance, Gippsland, Western Port, Sorrento, Corner
Inlet.

Obs.—The only difference that we can discover in *V. sclateri* is
that the longitudinal dark markings are absent or partially faintly
indicated. In *V. australiae* the usual longitudinal markings in
some cases cross and also assume a zig-zag form, in other respects
we cannot separate it from *V. undulata*. Brazier considers *V.
kingii*, Cox, to be a variety, but judging from the figure of the
type it may possibly be a distinct species, though the material
in hand at present does not enable us to be positive.

VOLUTA ROADKNIGHTÆ, McCoy.

1881. *Voluta roadknightæ*, McCoy. A.M.N.H., 5 ser., vol. viii., p. 89, pl. 7, f. 1-2.
 1882. *Voluta (Alcithoe) roadknightæ*, Tryon. Man. Conch., vol. iv., p. 96, pl. 30, f. 128.
 1887. *Voluta roadknightæ*, Sowerby. Thes. Conch., pt. xliv., p. 298, pl. 513, f. 143.

Hab.—Gippsland Coast (Worcester), Portland (Nat. Mus.).

Obs.—The type of this species is in the National Museum, Melbourne, and is referred to as having been obtained at Portland. All the subsequently discovered specimens up to the present have been procured at different parts of the Gippsland Coast as far as Victoria is concerned. It has recently been discovered in Tasmania.

VOLUTA ZEBRA, Leach.

1814. *Voluta zebra*, Leach. Zool. Misc., vol. i., pl. 12, f. 1.
 1814. *Voluta lineata*, Leach. *Ib.*, vol. i., pl. 12, f. 2.
 (?) 1822. *Marginella radiata*, Lam. Anim. S. Vert., vol. x., p. 436.
 1849. *Voluta zebra*, Reeve. Conch. Icon., vol. vi., pl. 18, f. 43.
 1882. *Voluta (Amoria) zebra*, Tryon. Man. Conch., vol. iv., p. 93, pl. 28, f. 91.

Hab.—Gippsland Coast.

VOLUTA PAPILLOSA, Swainson.

- Voluta papillosa*, Swainson. Appx. Bligh. Cat.
Scaphella papillaris, Swainson. Malac., pt. i., p. 180, f. 12a, and pt. ii., p. 308.
Voluta papillosa, Sowerby. Thes. Conch., vol. i., p. 207, pl. 47, f. 30.
Voluta sowerbyi, Kiener. Icon. Coq. Viv., pl. 50.
 1849. *Voluta papillaris*, Reeve. Conch. Icon., vol. vi., pl. 4, f. 10.
 1855. *Volutella papillosa*, Gray. P.Z.S., p. 63.
 1871. *Voluta (Alcithoe) papillosa*, Crosse. Jour. d. Conch., vol. xix., p. 297.

1879. *Voluta macquariensis*, Petterd. *Jour. of Conch.*,
vol. ii., p. 343.

1882. *Voluta (Alcithoe) papillosa*, Tryon. *Man. Conch.*,
vol. iv., p. 96, pl. 28, f. 106.

Hab.—Phillip Island, Western Port, Portland.

VOLUTA FUSIFORMIS, Swainson.

Voluta fusiformis, Swainson. *Appx. Bligh. Cat.*

Voluta fusiformis, Swainson. *Malac.*, pt. i., p. 108,
pt. ii., p. 318.

Voluta fusiformis, Sowerby. *Thes. Conch.*, vol. i.,
p. 208, pl. 54, f. 100.

1849. *Voluta fusiformis*, Reeve. *Conch. Icon.*, vol. vi.,
pl. 3, f. 6.

1855. *Scapha fusiformis*, Gray. *P.Z.S.*, p. 58.

1864. *Scapha fusiformis*, Angas. *P.Z.S.*, p. 50.

1871. *Voluta (Alcithoe) fusiformis*, Crosse. *Jour. d.
Conch.*, vol. xix., p. 296.

1882. *Voluta (Alcithoe) fusiformis*, Tryon. *Man. Conch.*,
vol. iv., p. 95, pl. 28, f. 103.

Hab.—Gippsland Coast, off Western Port and Cape Schanck.

VOLUTA MAMILLA, Gray.

1844. *Cymba mamilla*, Gray. *P.Z.S. Lond.*, p. 149.

1855. *Voluta mamilla*, Gray. *P.Z.S.*, p. 55.

Voluta mamilla, Sowerby. *Thes. Conch.*, vol. i.,
p. 207, pl. 50, f. 57, 58.

1849. *Voluta mamilla*, Reeve. *Conch. Icon.*, vol. vi., pl.
19, f. 44.

1859. *Cymbium mamilla*, Chenu. *Man. de Conch.*, vol. i.,
p. 186, f. 942.

1871. *Mamillana mamilla*, Crosse. *Jour. d. Conch.*, vol.
xix., p. 308.

1872. *Scapha mamilla*, Brazier. *P.Z.S.*, p. 23.

1882. *Voluta (Mamillana) mamilla*, Tryon. *Man. Conch.*,
vol. iv., p. 101, pl. 29, f. 122.

Hab.—Off Cape Schanck.

Genus **Lyria**, Gray. 1847.**LYRIA MITRÆFORMIS**, Lamarck.

Voluta mitræformis, Lam. Anim. S. Vert., vol. x., p. 404.

Voluta multicostata, Brod. Zool. Journ., vol. iii., pl. 3, f. 2.

Voluta mitræformis, Sowerby. Thes. Conch., vol. i., pl. 53, f. 81, 82.

1849. Voluta mitræformis, Reeve. Conch. Icon., vol. vi., pl. 3, f. 7a, 7b.

1882. Lyria mitræformis, Tryon. Man. Conch., vol. iv., p. 103, pl. 31, f. 143.

Hab.—Gippsland Coast, Western Port, Warrnambool.

NOTE.—In the notes obtained from Professor R. Tate, Voluta magnifica, Lamarck, is included as a Victorian shell, but up to the present we have not obtained or seen any specimens of this species from our coast.
